

Appendix: 2.4G Wi-Fi

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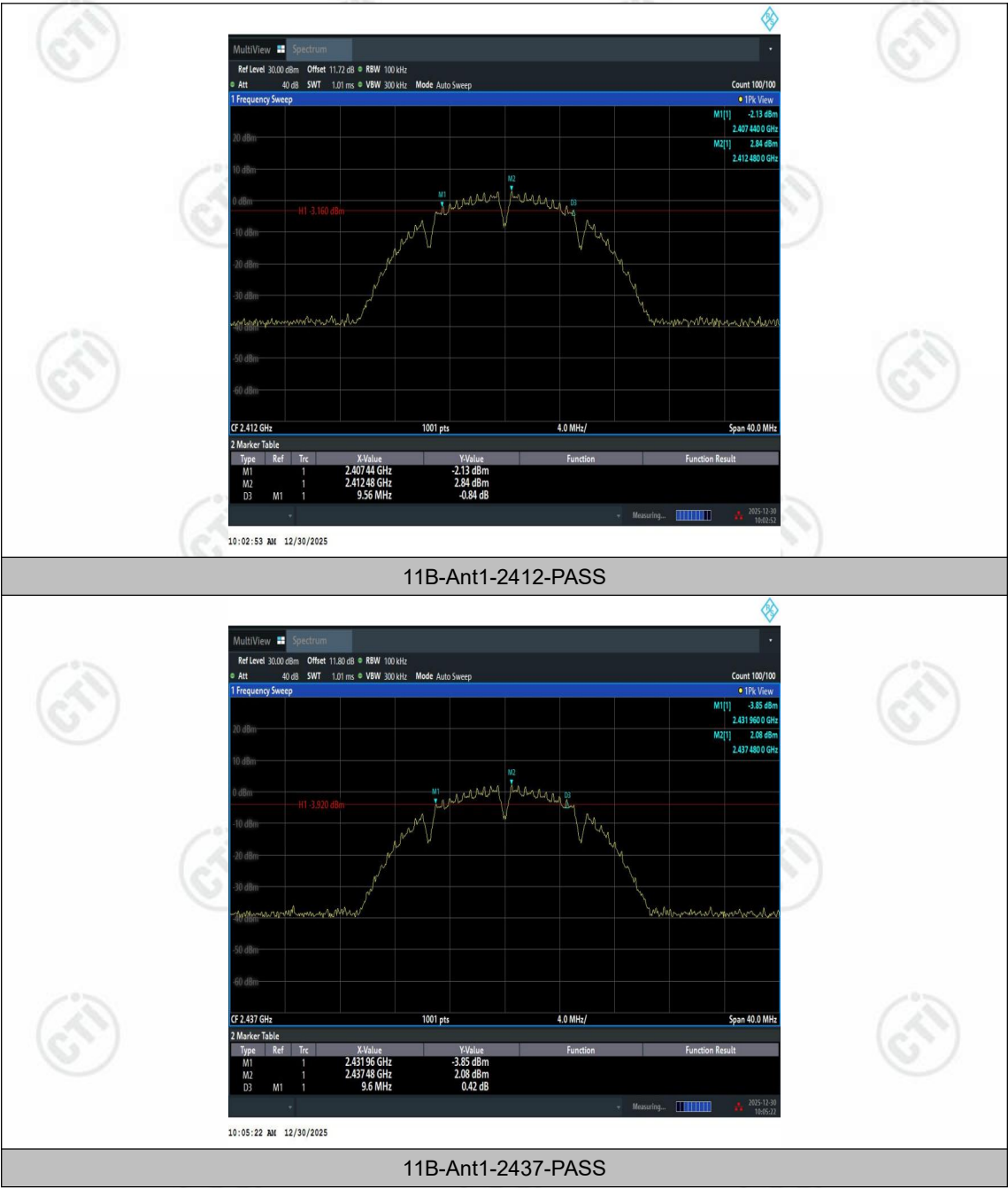
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Appendix A: DTS Bandwidth

Test Result

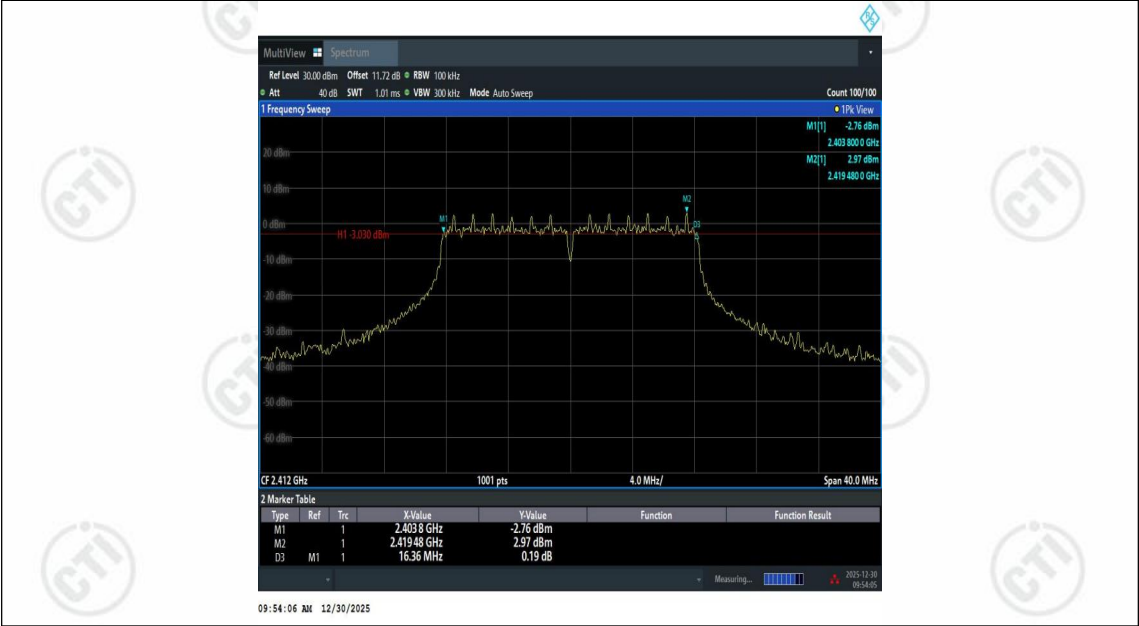
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.56	2407.44	2417.00	0.5	PASS
11B	Ant1	2437	9.60	2431.96	2441.56	0.5	PASS
11B	Ant1	2462	9.12	2457.44	2466.56	0.5	PASS
11G	Ant1	2412	16.36	2403.80	2420.16	0.5	PASS
11G	Ant1	2437	16.32	2428.84	2445.16	0.5	PASS
11G	Ant1	2462	16.32	2453.84	2470.16	0.5	PASS
11N20SISO	Ant1	2412	16.04	2404.36	2420.40	0.5	PASS
11N20SISO	Ant1	2437	16.04	2439.48	2455.52	0.5	PASS
11N20SISO	Ant1	2462	16.00	2454.40	2470.40	0.5	PASS
11AX20SISO	Ant1	2412	18.00	2402.96	2420.96	0.5	PASS
11AX20SISO	Ant1	2437	18.00	2428.00	2446.00	0.5	PASS
11AX20SISO	Ant1	2462	17.76	2453.56	2471.32	0.5	PASS

Test Graphs





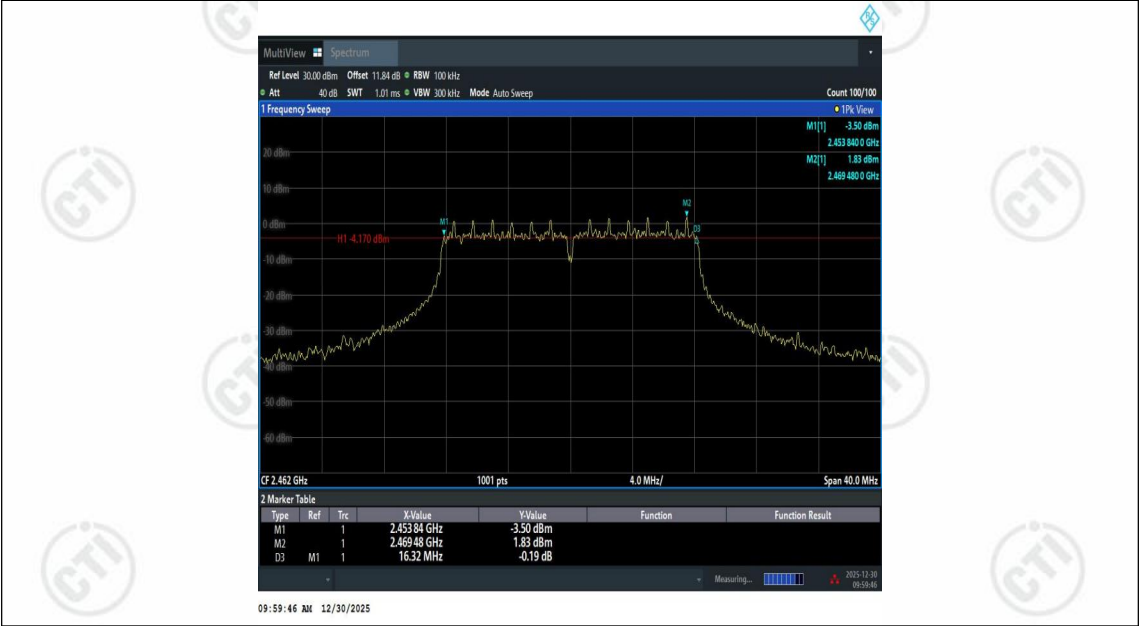
11B-Ant1-2462-PASS



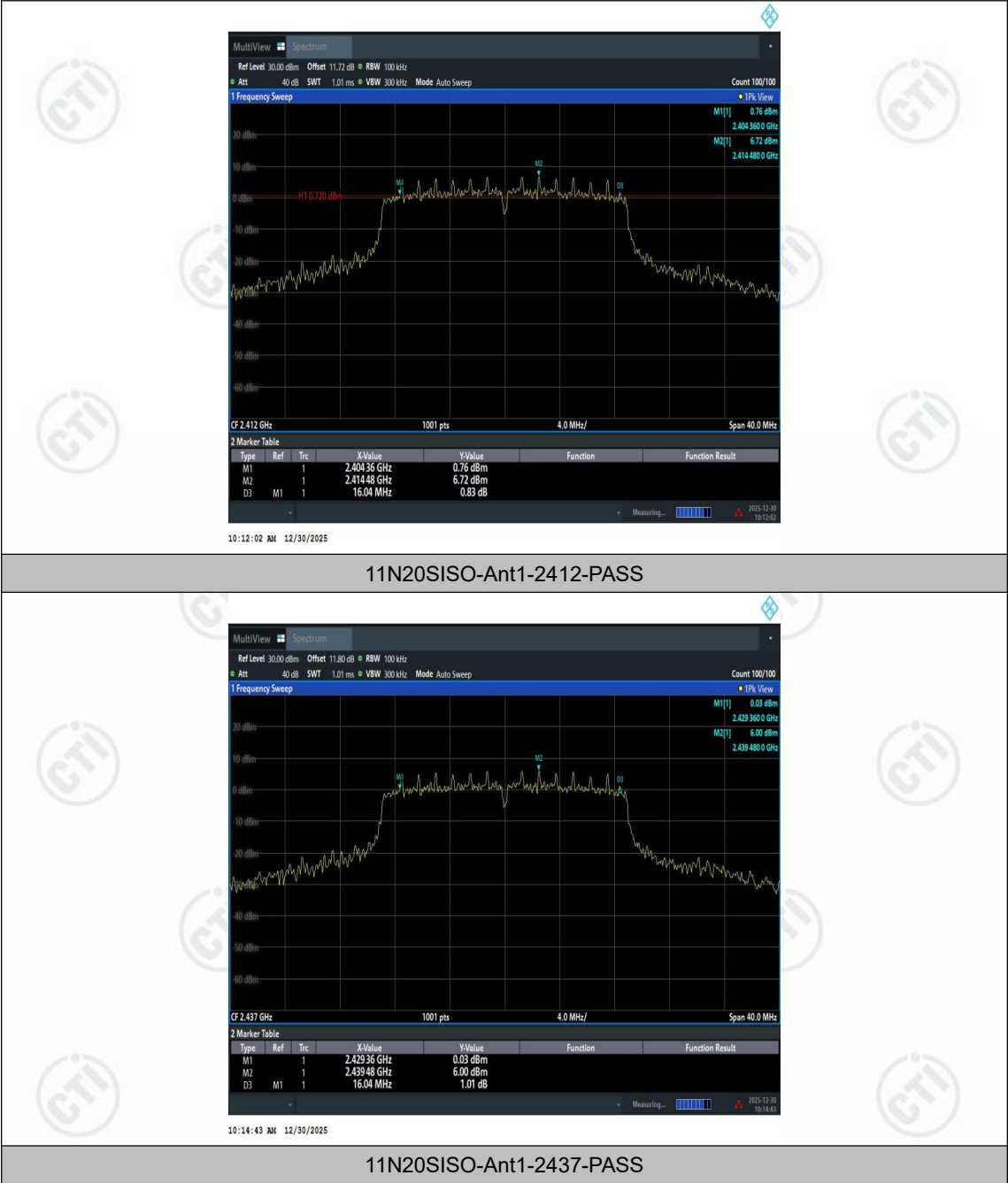
11G-Ant1-2412-PASS

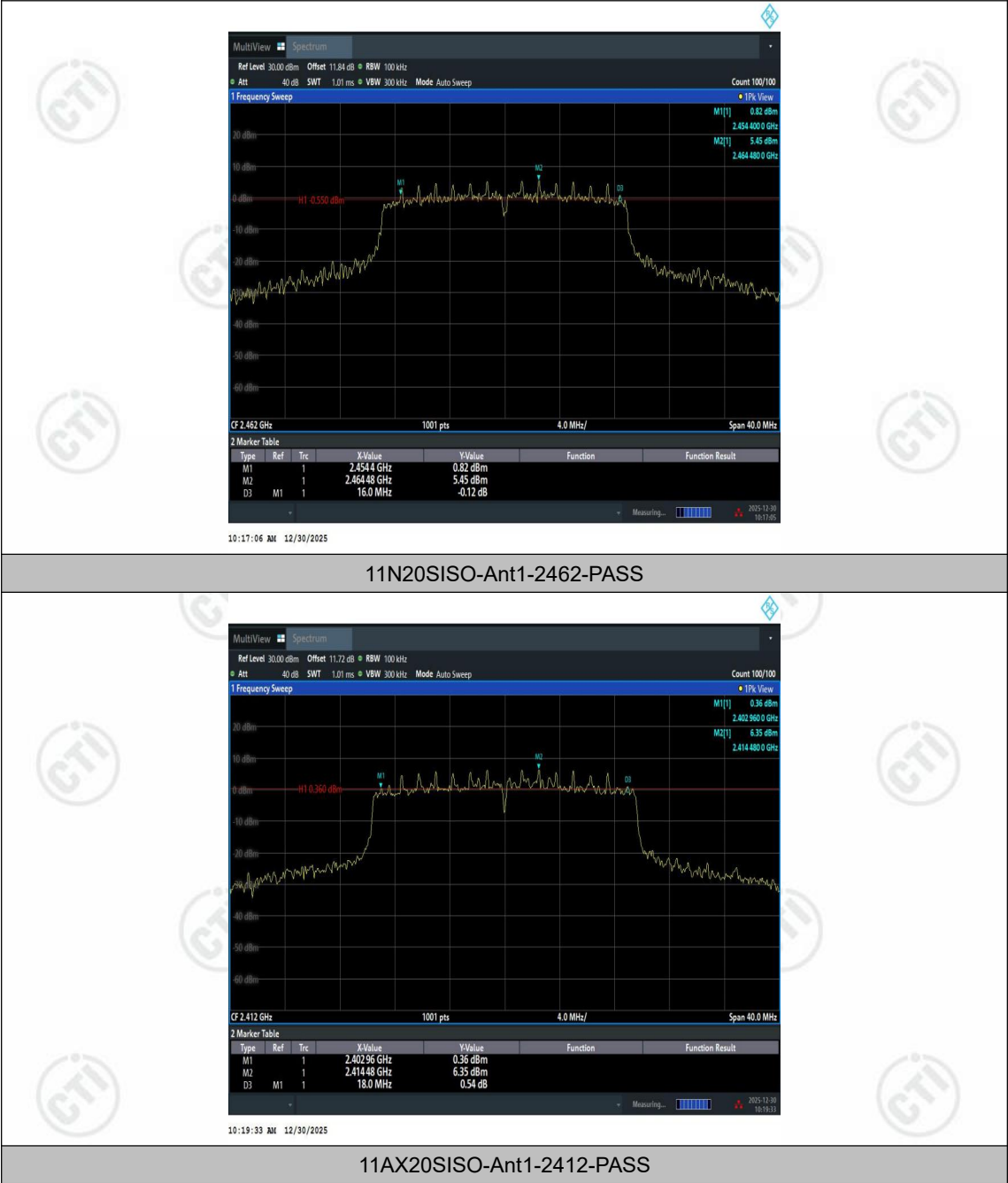


11G-Ant1-2437-PASS



11G-Ant1-2462-PASS







11AX20SISO-Ant1-2437-PASS



11AX20SISO-Ant1-2462-PASS

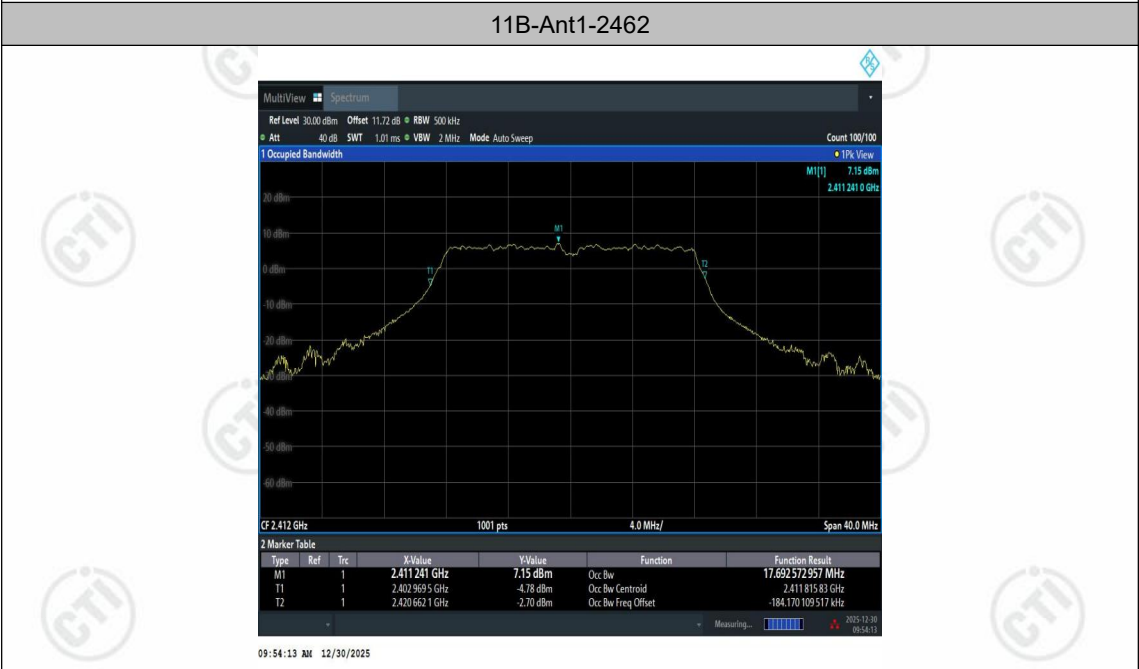
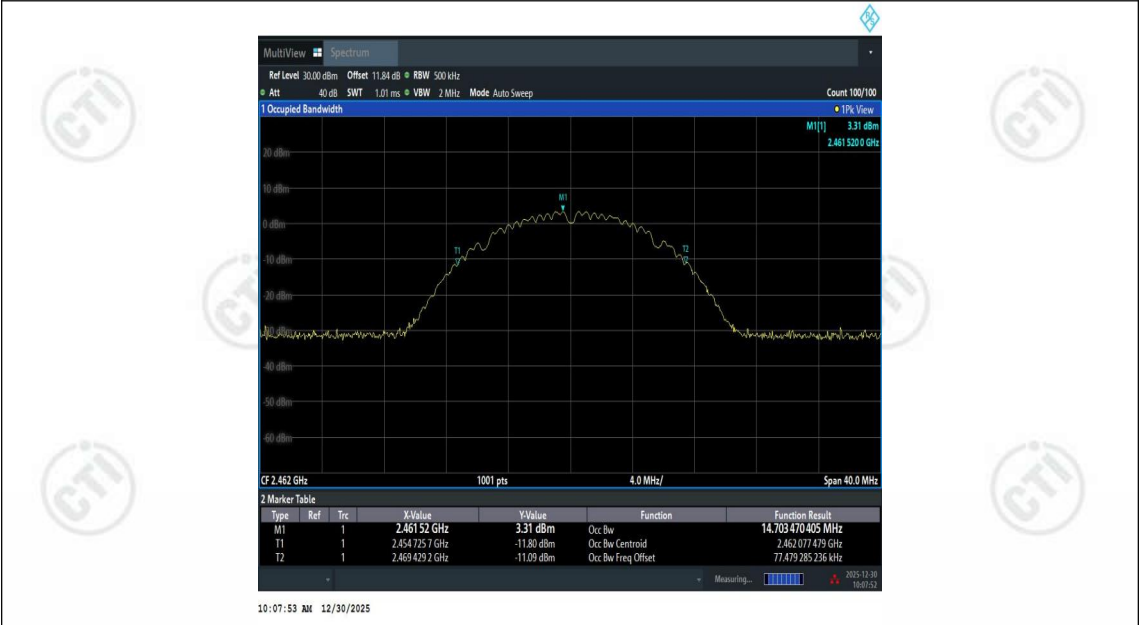
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	14.545	2404.7107	2419.2561	---	---
11B	Ant1	2437	14.637	2429.7068	2444.3437	---	---
11B	Ant1	2462	14.703	2454.7257	2469.4292	---	---
11G	Ant1	2412	17.693	2402.9695	2420.6621	---	---
11G	Ant1	2437	17.701	2427.9817	2445.6831	---	---
11G	Ant1	2462	17.664	2453.0625	2470.7265	---	---
11N20SISO	Ant1	2412	18.763	2402.5280	2421.2905	---	---
11N20SISO	Ant1	2437	18.822	2427.5107	2446.3331	---	---
11N20SISO	Ant1	2462	18.714	2452.6255	2471.3400	---	---
11AX20SISO	Ant1	2412	19.172	2402.5013	2421.6731	---	---
11AX20SISO	Ant1	2437	19.185	2427.5012	2446.6859	---	---
11AX20SISO	Ant1	2462	19.172	2452.5360	2471.7083	---	---

Test Graphs







11G-Ant1-2437



11G-Ant1-2462







Appendix C: Maximum conducted output power

Test Result

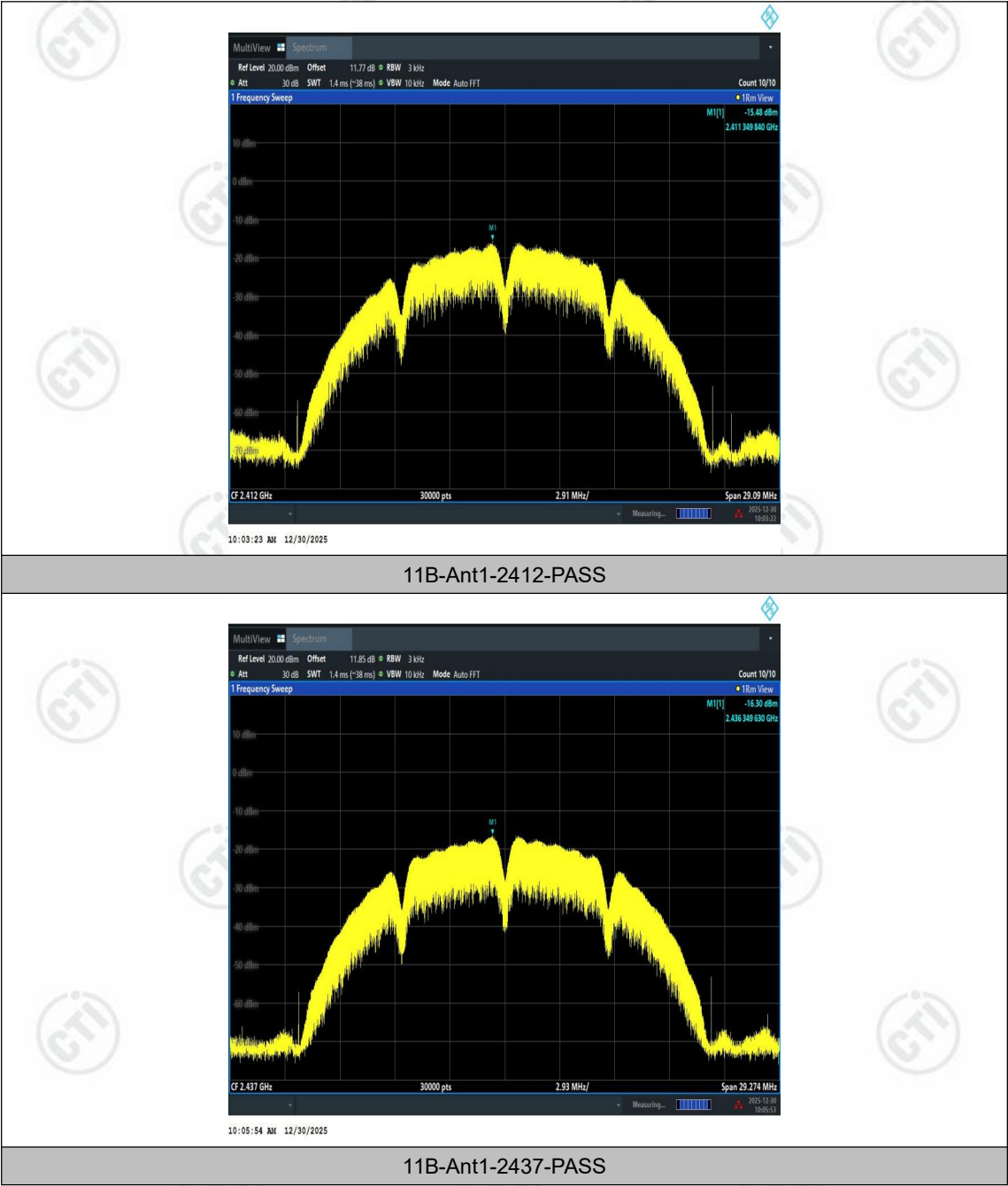
TestMode	Antenna	Frequen cy[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	13.33	≤30.00	17.00	≤36.00	PASS
11B	Ant1	2437	12.85	≤30.00	16.52	≤36.00	PASS
11B	Ant1	2462	12.36	≤30.00	16.03	≤36.00	PASS
11G	Ant1	2412	14.65	≤30.00	18.32	≤36.00	PASS
11G	Ant1	2437	14.13	≤30.00	17.80	≤36.00	PASS
11G	Ant1	2462	13.66	≤30.00	17.33	≤36.00	PASS
11N20SISO	Ant1	2412	17.91	≤30.00	21.58	≤36.00	PASS
11N20SISO	Ant1	2437	17.47	≤30.00	21.14	≤36.00	PASS
11N20SISO	Ant1	2462	16.97	≤30.00	20.64	≤36.00	PASS
11AX20SISO	Ant1	2412	17.79	≤30.00	21.46	≤36.00	PASS
11AX20SISO	Ant1	2437	17.35	≤30.00	21.02	≤36.00	PASS
11AX20SISO	Ant1	2462	16.85	≤30.00	20.52	≤36.00	PASS

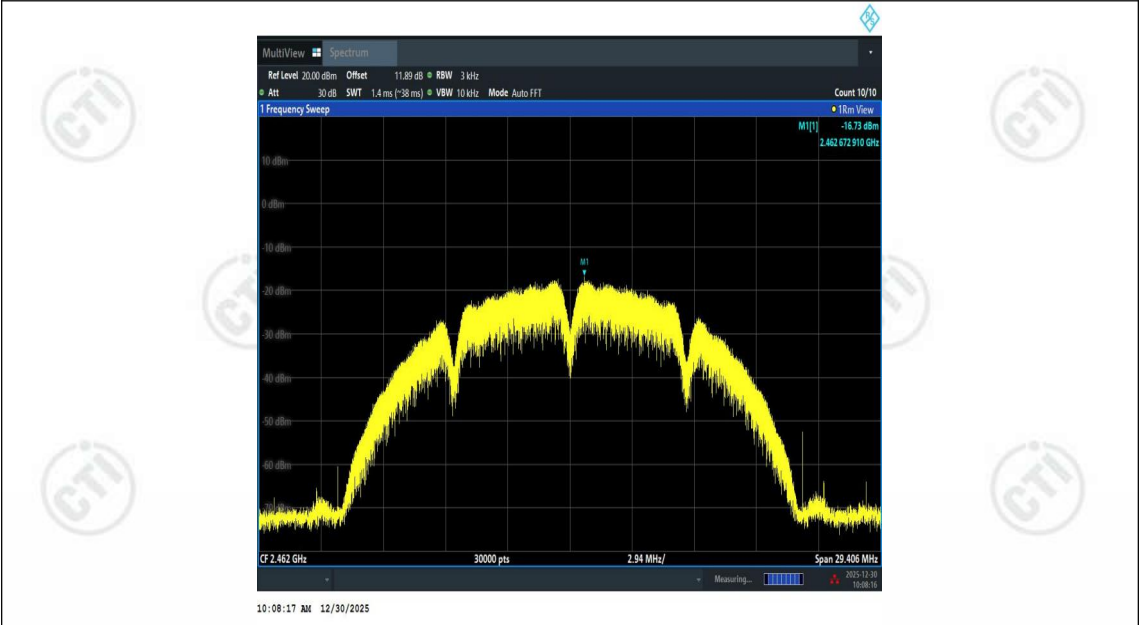
Appendix D: Maximum power spectral density

Test Result

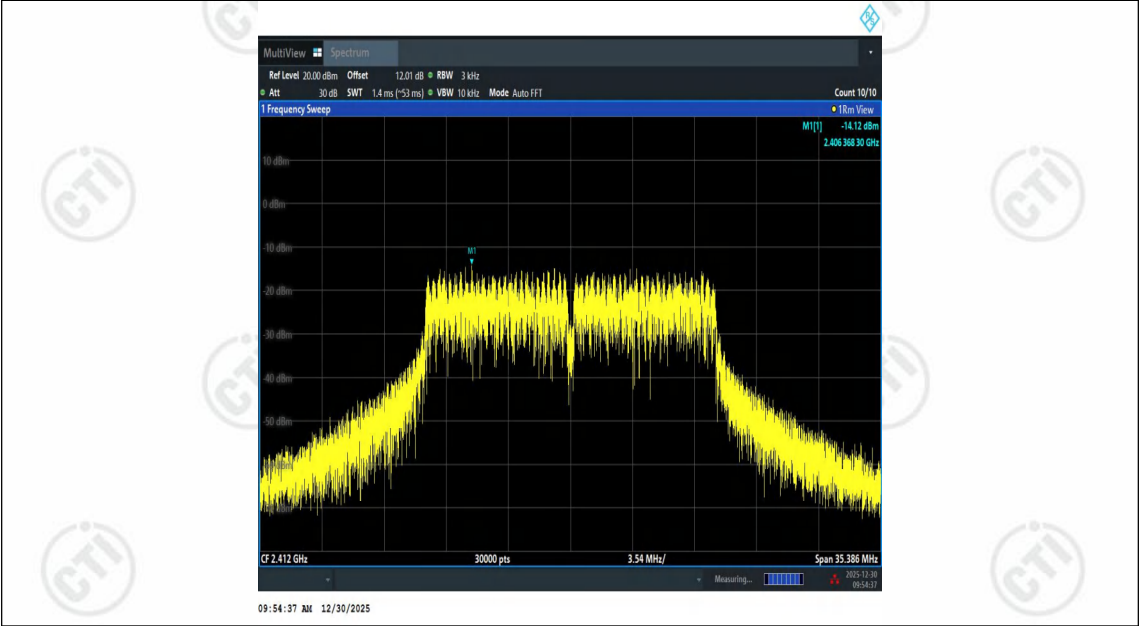
TestMode	Antenna	Frequency [MHz]	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-15.48	≤8.00	PASS
11B	Ant1	2437	-16.30	≤8.00	PASS
11B	Ant1	2462	-16.73	≤8.00	PASS
11G	Ant1	2412	-14.12	≤8.00	PASS
11G	Ant1	2437	-14.50	≤8.00	PASS
11G	Ant1	2462	-15.66	≤8.00	PASS
11N20SISO	Ant1	2412	-10.76	≤8.00	PASS
11N20SISO	Ant1	2437	-11.29	≤8.00	PASS
11N20SISO	Ant1	2462	-12.11	≤8.00	PASS
11AX20SISO	Ant1	2412	-9.83	≤8.00	PASS
11AX20SISO	Ant1	2437	-10.66	≤8.00	PASS
11AX20SISO	Ant1	2462	-12.17	≤8.00	PASS

Test Graphs

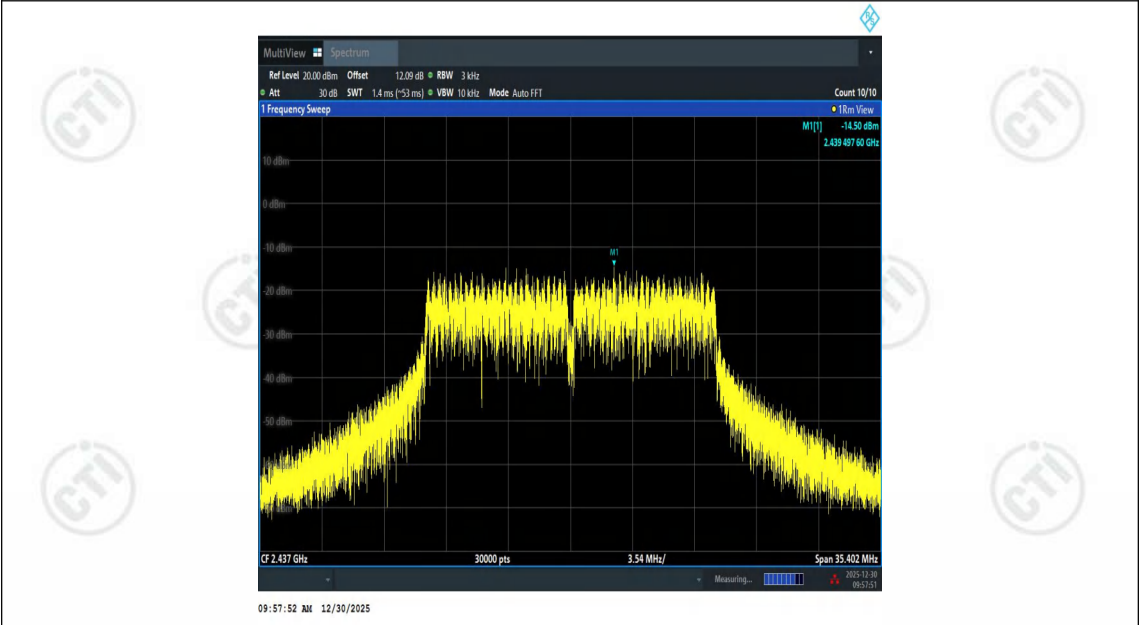




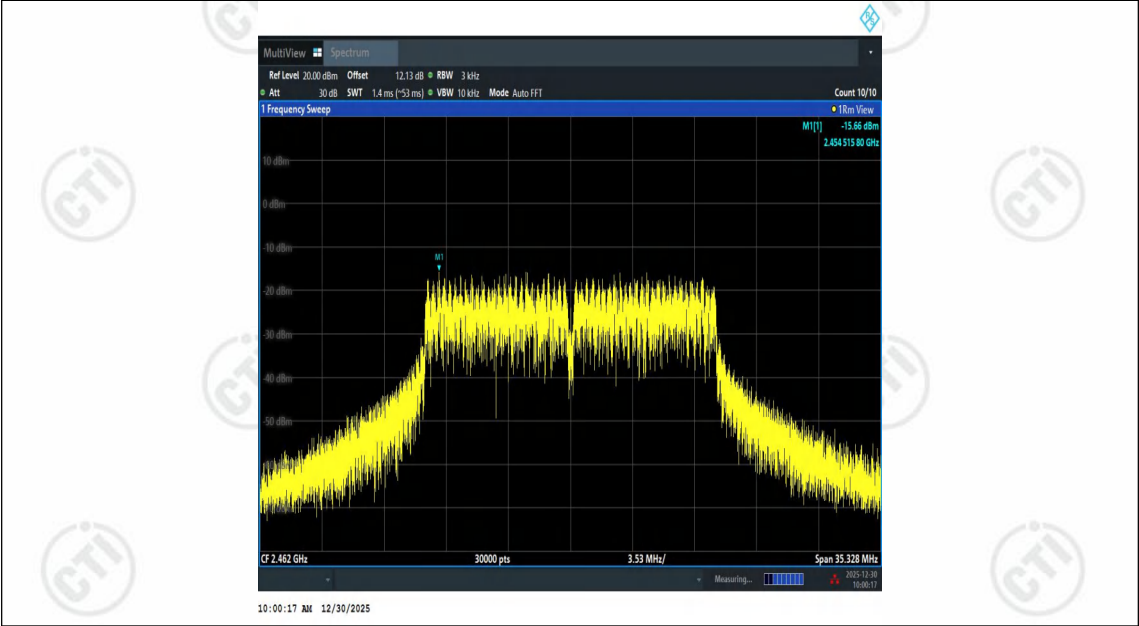
11B-Ant1-2462-PASS



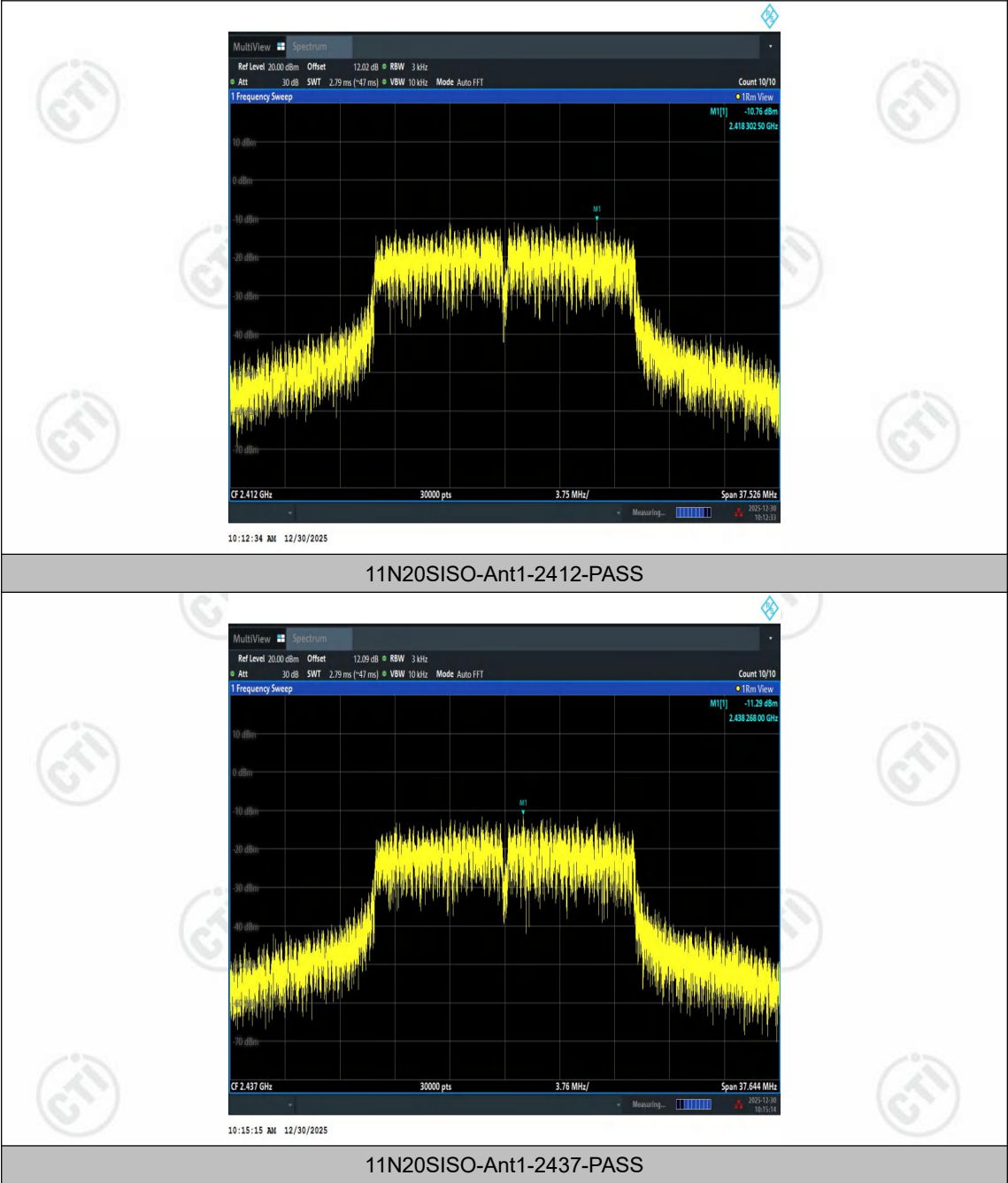
11G-Ant1-2412-PASS

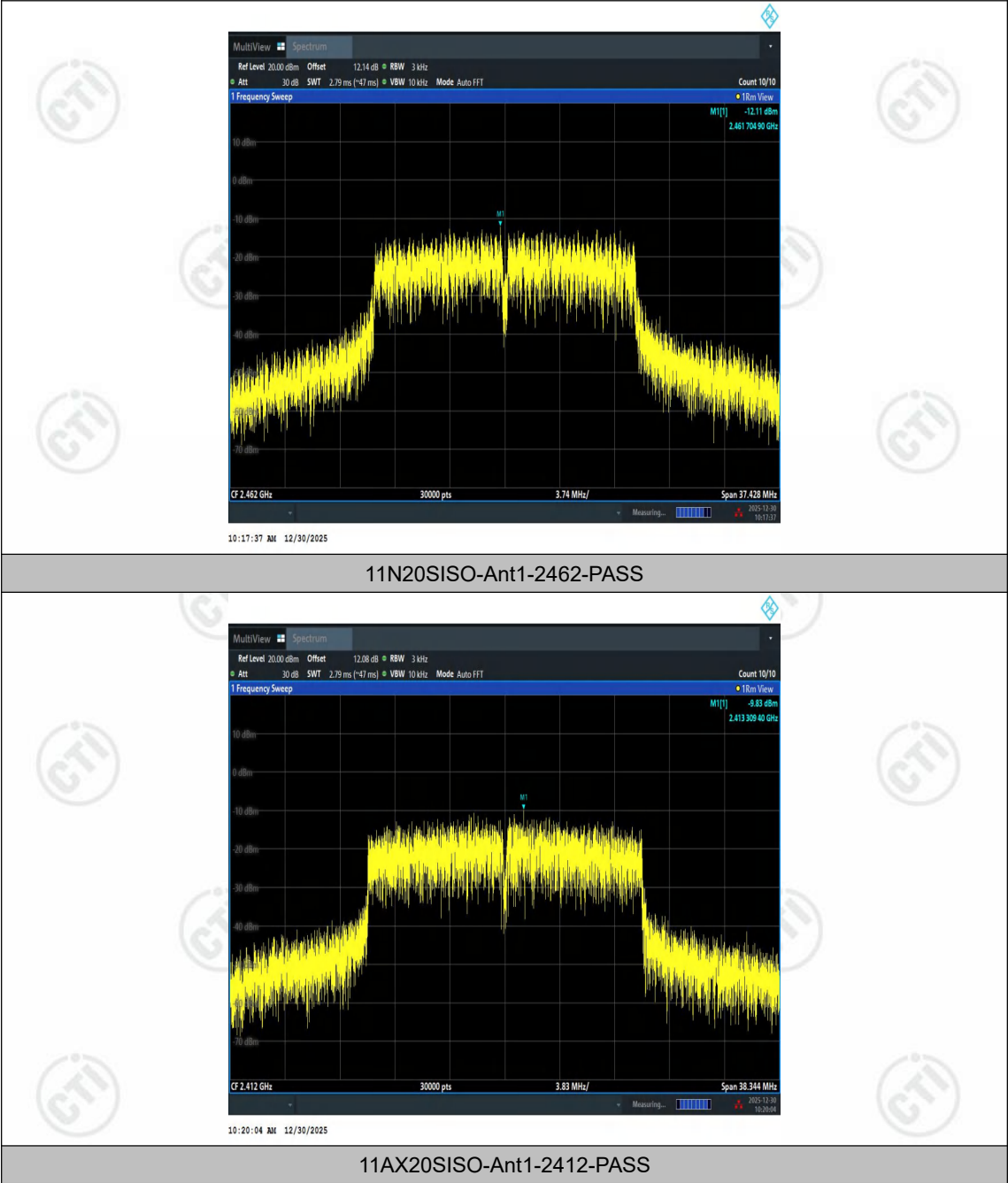


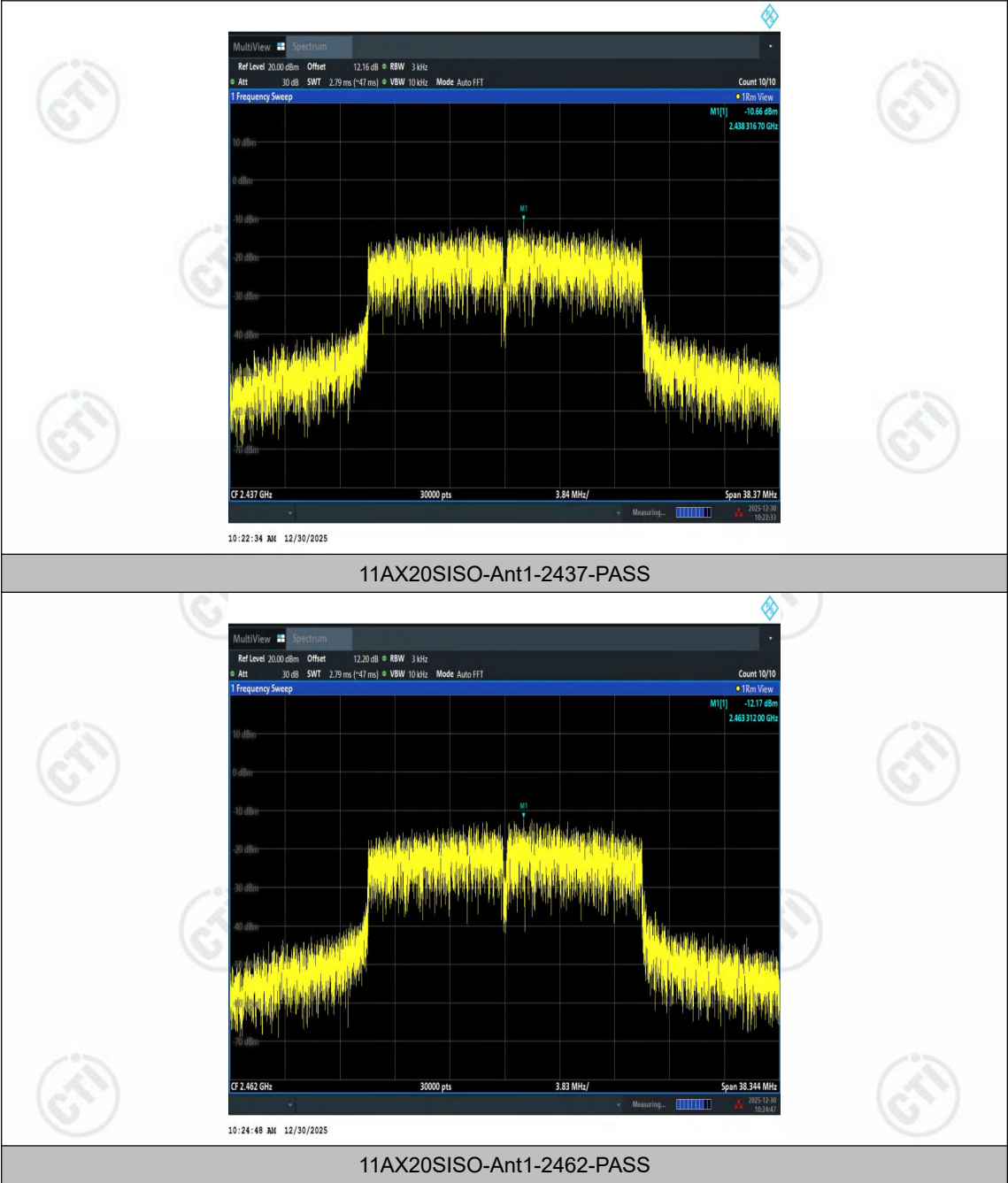
11G-Ant1-2437-PASS



11G-Ant1-2462-PASS







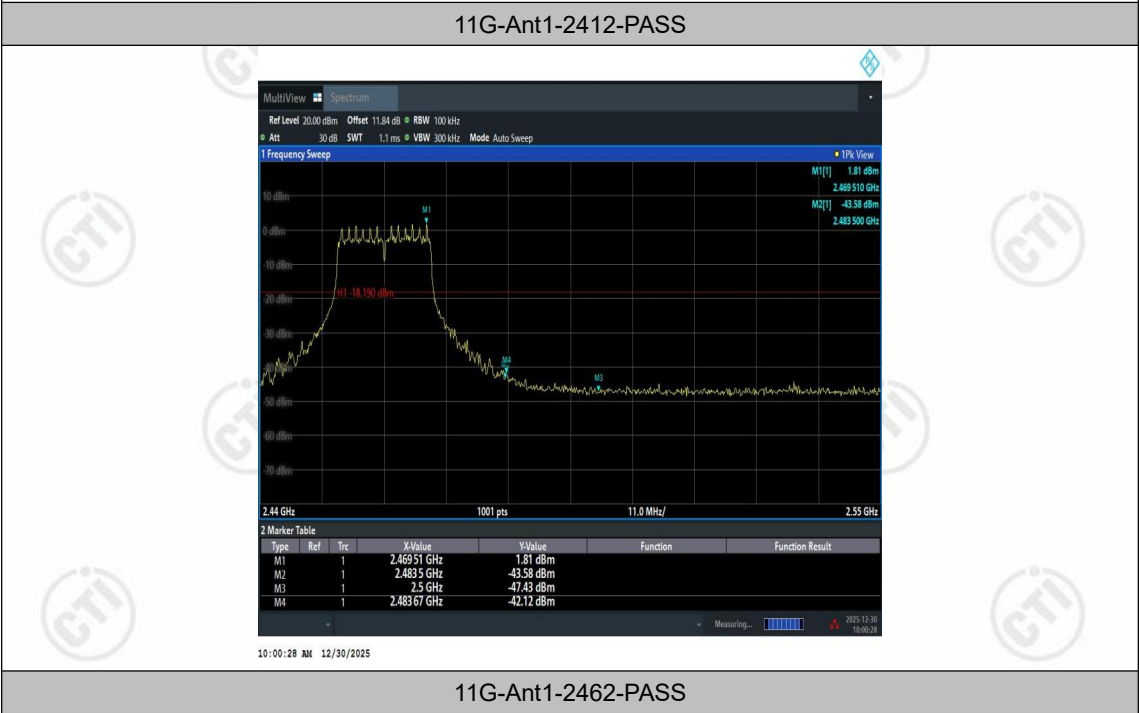
Appendix E: Band edge measurements

Test Result

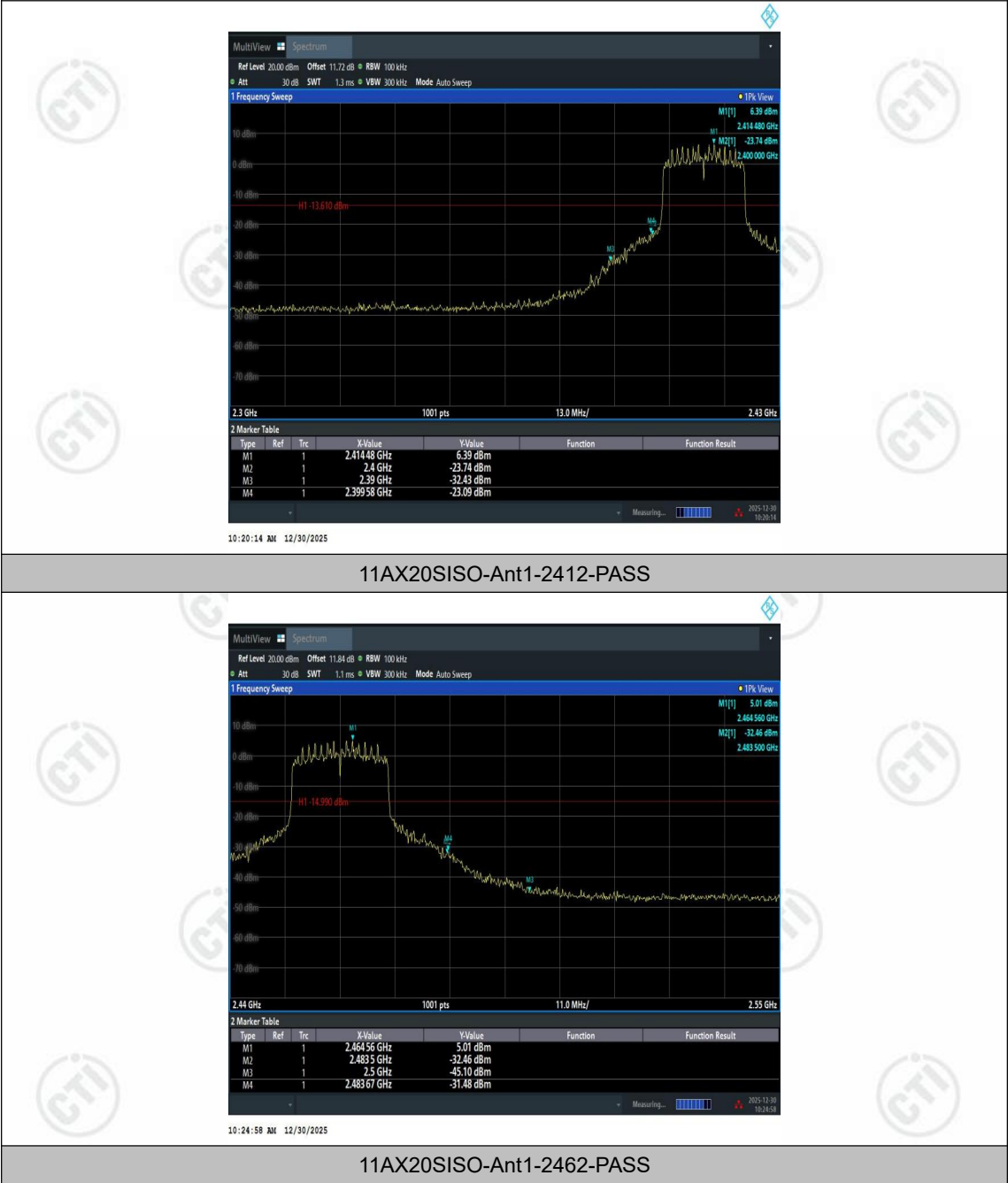
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	2.83	-42.5	≤-17.17	PASS
11B	Ant1	High	2462	1.46	-44.96	≤-18.54	PASS
11G	Ant1	Low	2412	2.93	-28.25	≤-17.07	PASS
11G	Ant1	High	2462	1.81	-42.12	≤-18.19	PASS
11N20SISO	Ant1	Low	2412	6.65	-18.4	≤-13.35	PASS
11N20SISO	Ant1	High	2462	5.34	-31.81	≤-14.66	PASS
11AX20SISO	Ant1	Low	2412	6.39	-23.09	≤-13.61	PASS
11AX20SISO	Ant1	High	2462	5.01	-31.48	≤-14.99	PASS

Test Graphs







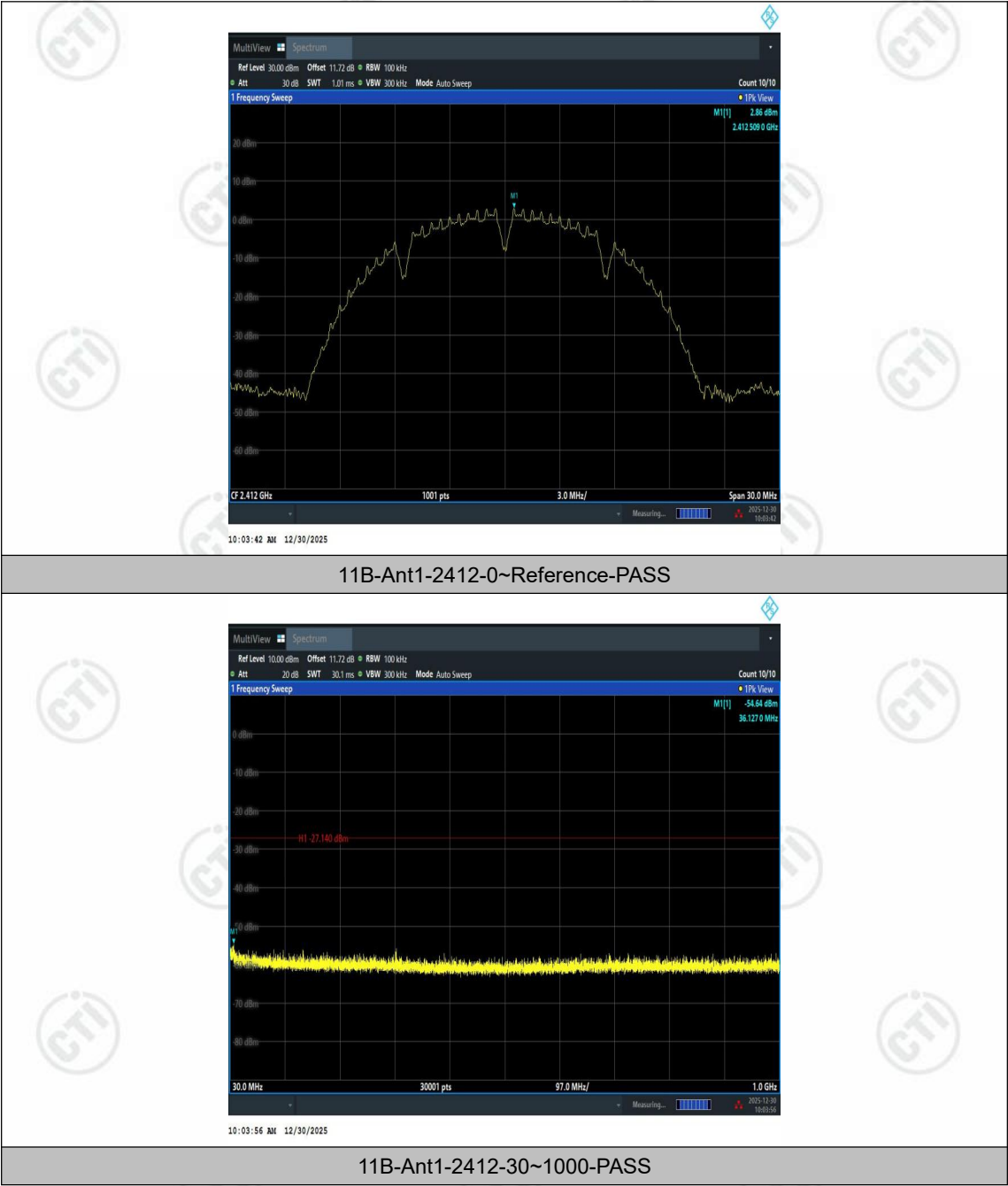


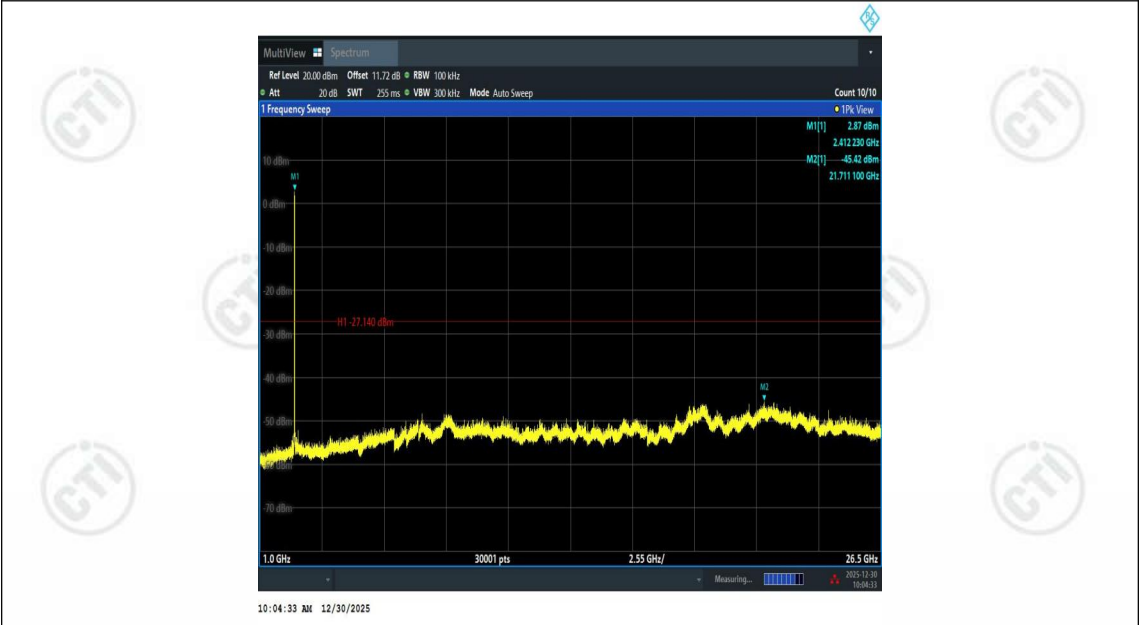
Appendix F: Conducted Spurious Emission

Test Result

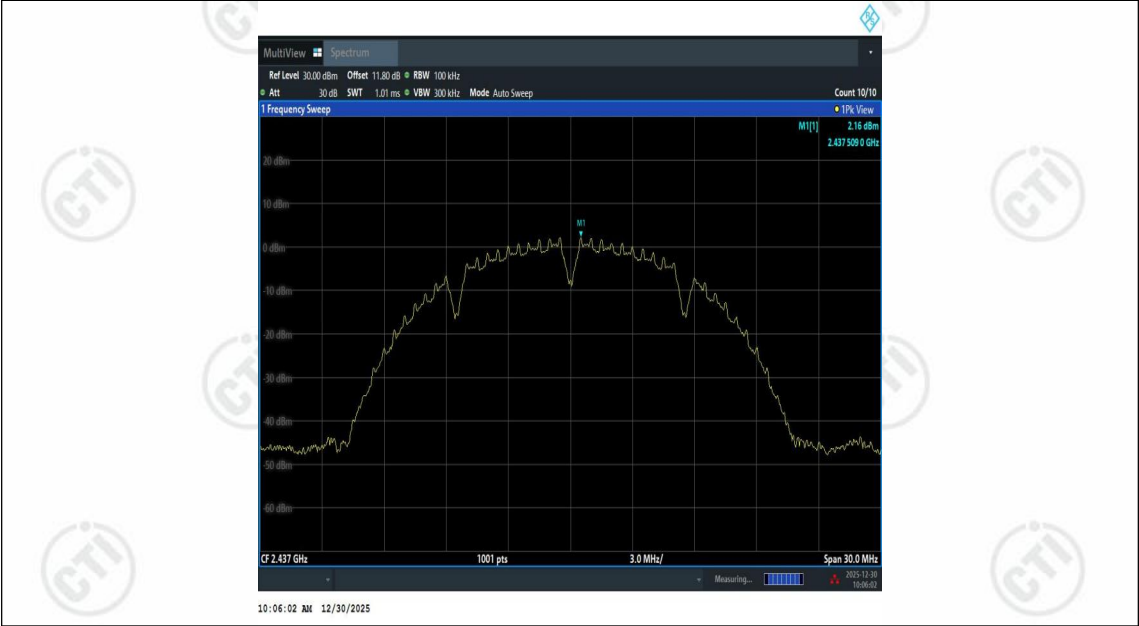
TestMode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	2.86	2.86	---	PASS
11B	Ant1	2412	30~1000	2.86	-54.64	≤-17.14	PASS
11B	Ant1	2412	1000~26500	2.86	-45.42	≤-17.14	PASS
11B	Ant1	2437	0~Reference	2.16	2.16	---	PASS
11B	Ant1	2437	30~1000	2.16	-55.01	≤-17.84	PASS
11B	Ant1	2437	1000~26500	2.16	-44.9	≤-17.84	PASS
11B	Ant1	2462	0~Reference	1.50	1.50	---	PASS
11B	Ant1	2462	30~1000	1.50	-55.58	≤-18.5	PASS
11B	Ant1	2462	1000~26500	1.50	-44.23	≤-18.5	PASS
11G	Ant1	2412	0~Reference	2.94	2.94	---	PASS
11G	Ant1	2412	30~1000	2.94	-55.89	≤-17.06	PASS
11G	Ant1	2412	1000~26500	2.94	-45.43	≤-17.06	PASS
11G	Ant1	2437	0~Reference	2.33	2.33	---	PASS
11G	Ant1	2437	30~1000	2.33	-54.98	≤-17.67	PASS
11G	Ant1	2437	1000~26500	2.33	-44.88	≤-17.67	PASS
11G	Ant1	2462	0~Reference	1.88	1.88	---	PASS
11G	Ant1	2462	30~1000	1.88	-53.98	≤-18.12	PASS
11G	Ant1	2462	1000~26500	1.88	-45.29	≤-18.12	PASS
11N20SISO	Ant1	2412	0~Reference	6.65	6.65	---	PASS
11N20SISO	Ant1	2412	30~1000	6.65	-54.37	≤-13.35	PASS
11N20SISO	Ant1	2412	1000~26500	6.65	-45.77	≤-13.35	PASS
11N20SISO	Ant1	2437	0~Reference	6.08	6.08	---	PASS
11N20SISO	Ant1	2437	30~1000	6.08	-54.92	≤-13.92	PASS
11N20SISO	Ant1	2437	1000~26500	6.08	-45.23	≤-13.92	PASS
11N20SISO	Ant1	2462	0~Reference	5.39	5.39	---	PASS
11N20SISO	Ant1	2462	30~1000	5.39	-55.17	≤-14.61	PASS
11N20SISO	Ant1	2462	1000~26500	5.39	-44.95	≤-14.61	PASS
11AX20SISO	Ant1	2412	0~Reference	6.37	6.37	---	PASS
11AX20SISO	Ant1	2412	30~1000	6.37	-54.72	≤-13.63	PASS
11AX20SISO	Ant1	2412	1000~26500	6.37	-45.22	≤-13.63	PASS
11AX20SISO	Ant1	2437	0~Reference	5.74	5.74	---	PASS
11AX20SISO	Ant1	2437	30~1000	5.74	-54.39	≤-14.26	PASS
11AX20SISO	Ant1	2437	1000~26500	5.74	-45.61	≤-14.26	PASS
11AX20SISO	Ant1	2462	0~Reference	5.05	5.05	---	PASS
11AX20SISO	Ant1	2462	30~1000	5.05	-54.1	≤-14.95	PASS
11AX20SISO	Ant1	2462	1000~26500	5.05	-45.3	≤-14.95	PASS

Test Graphs

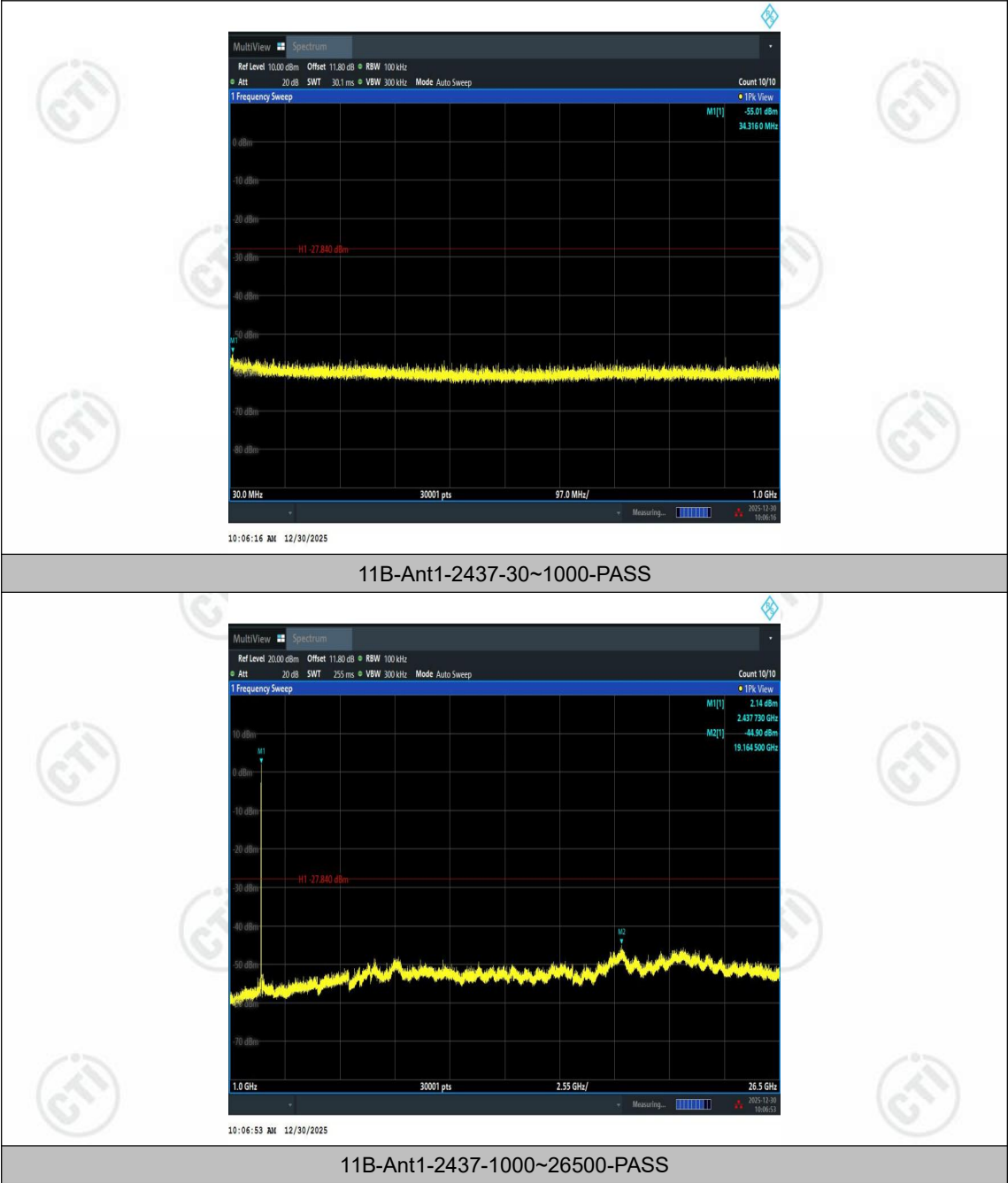


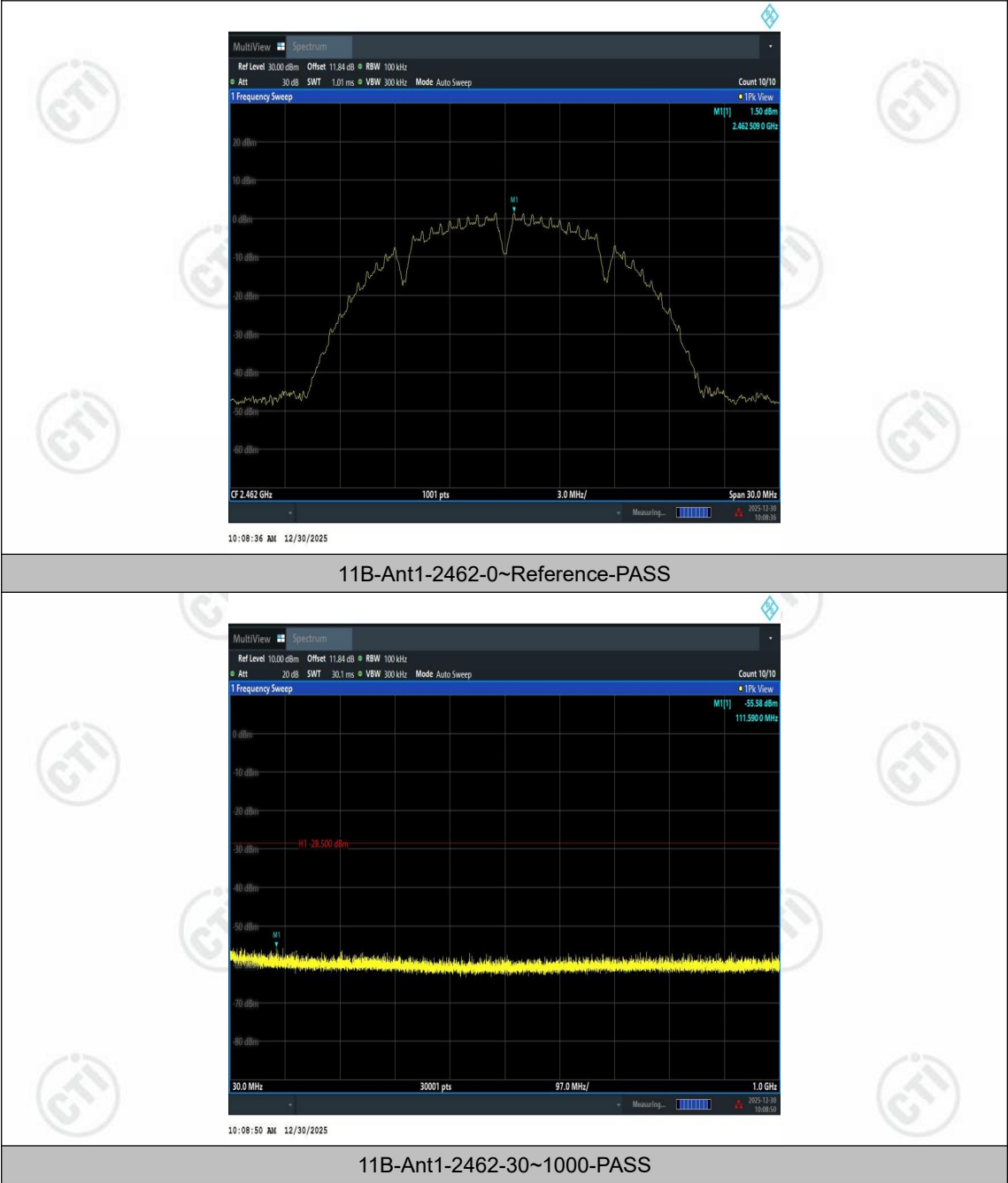


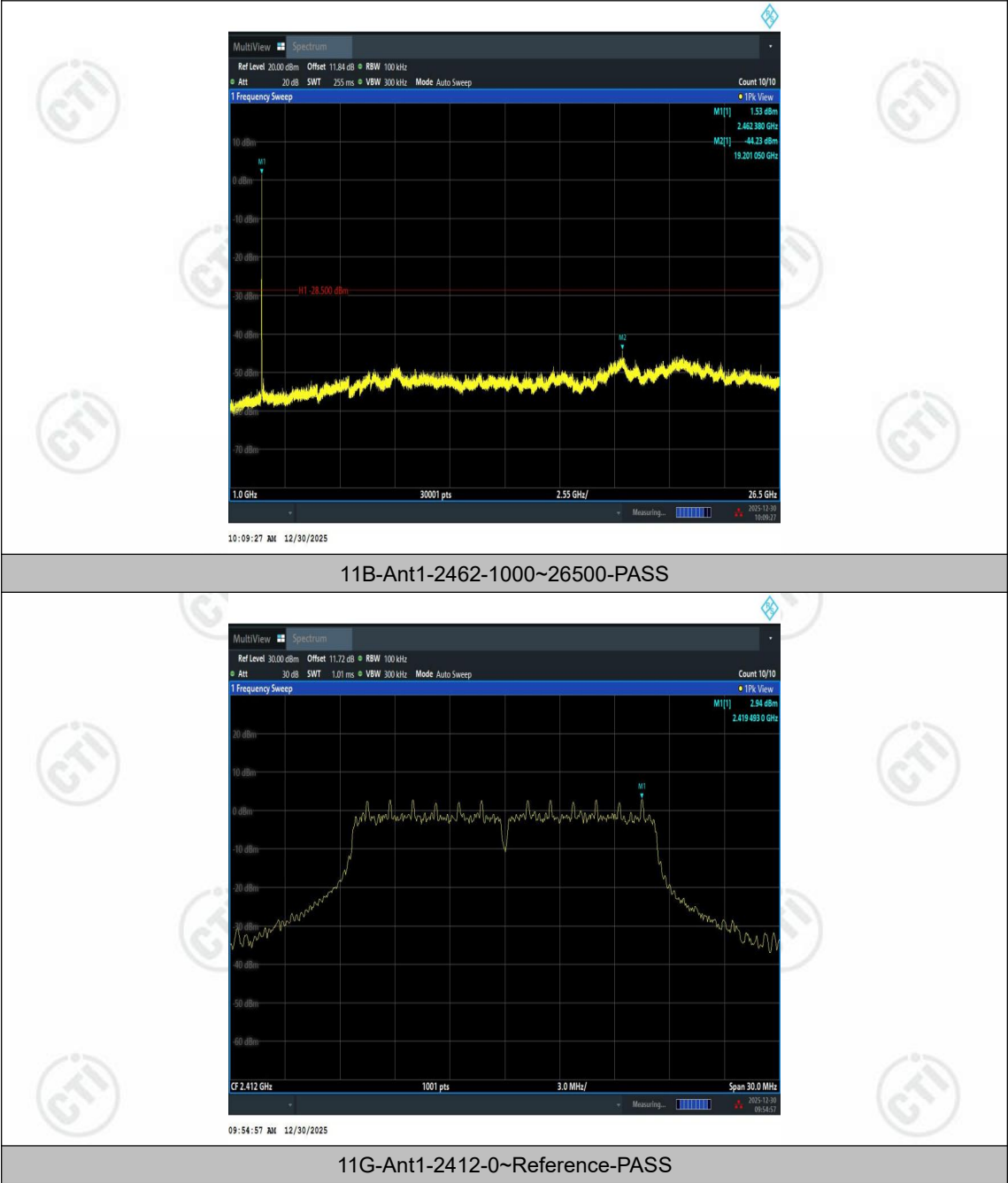
11B-Ant1-2412-1000~26500-PASS

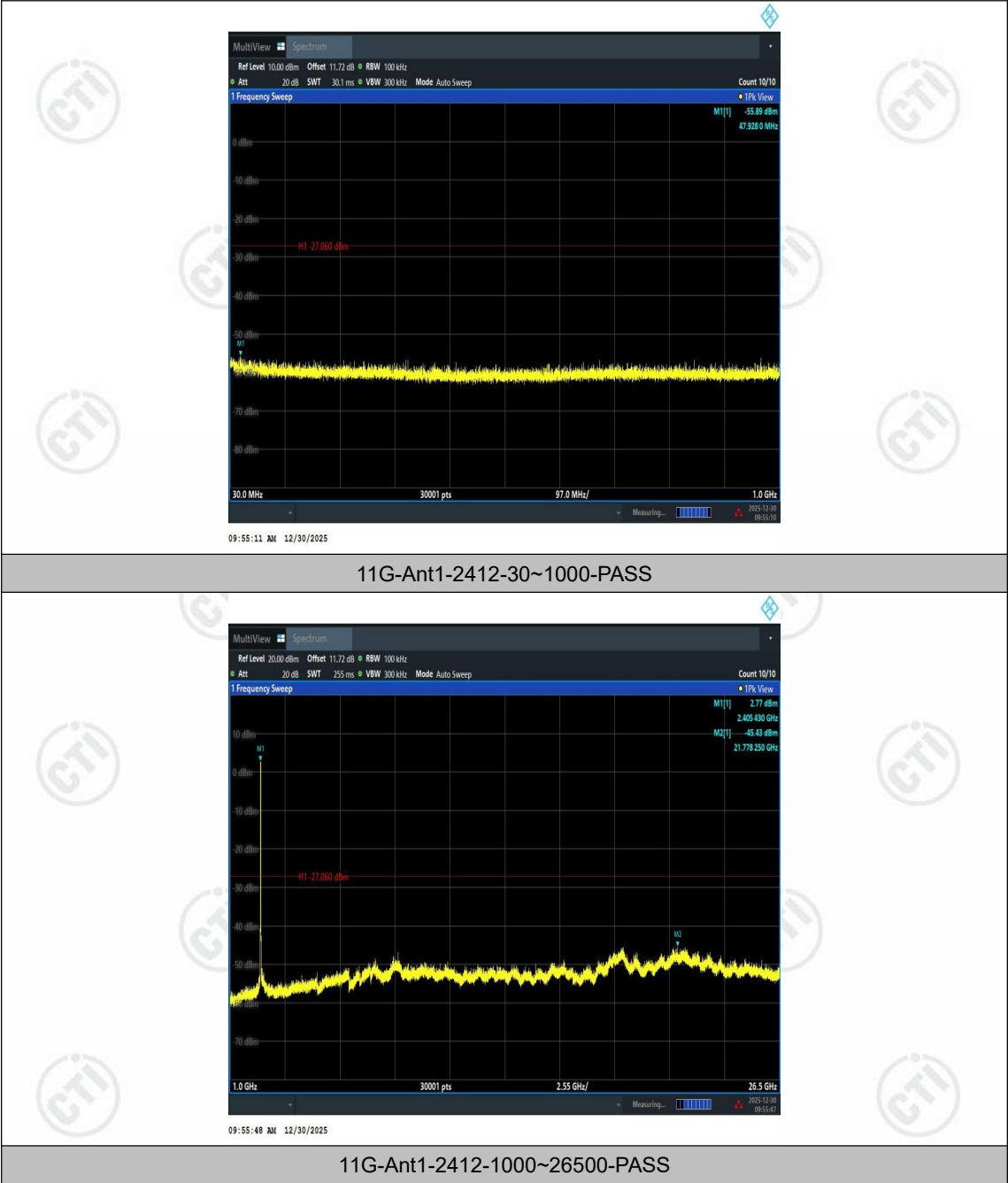


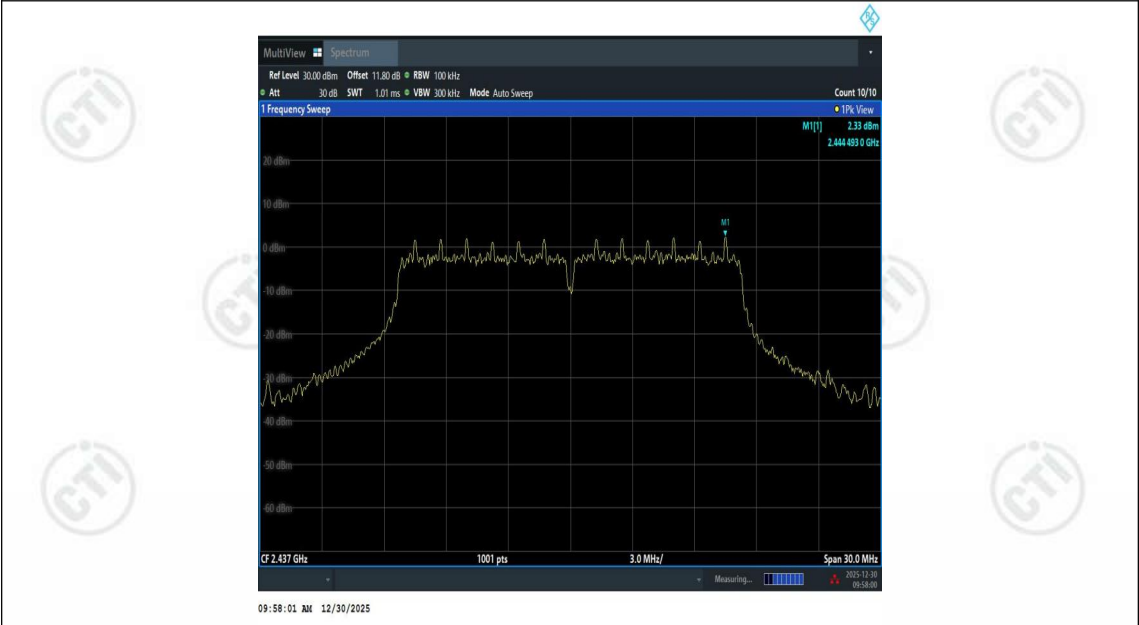
11B-Ant1-2437-0~Reference-PASS



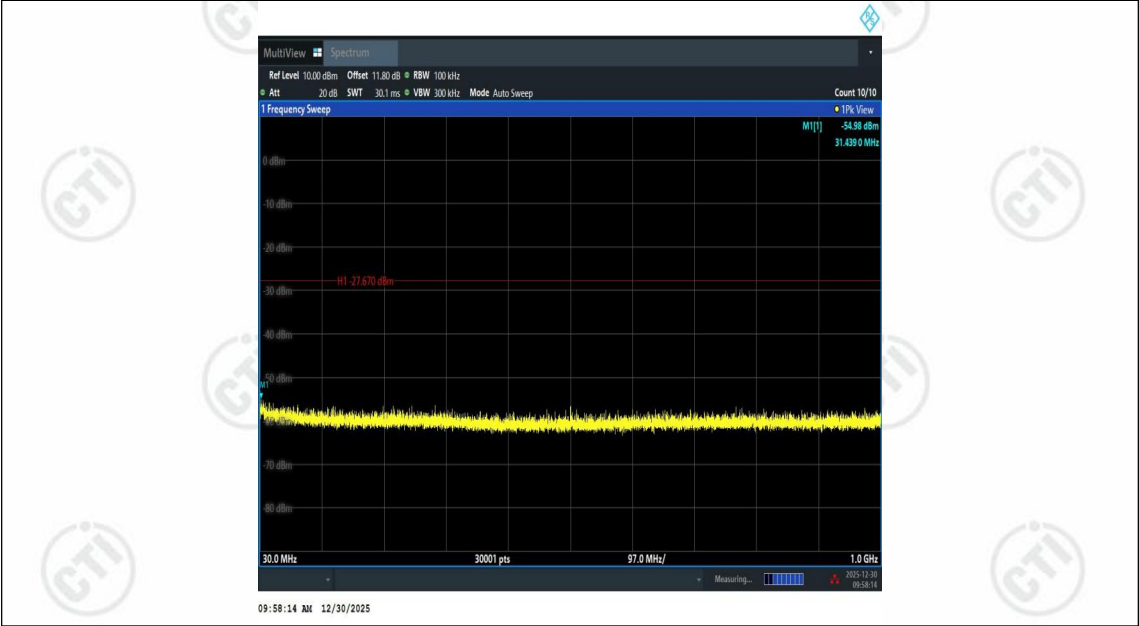








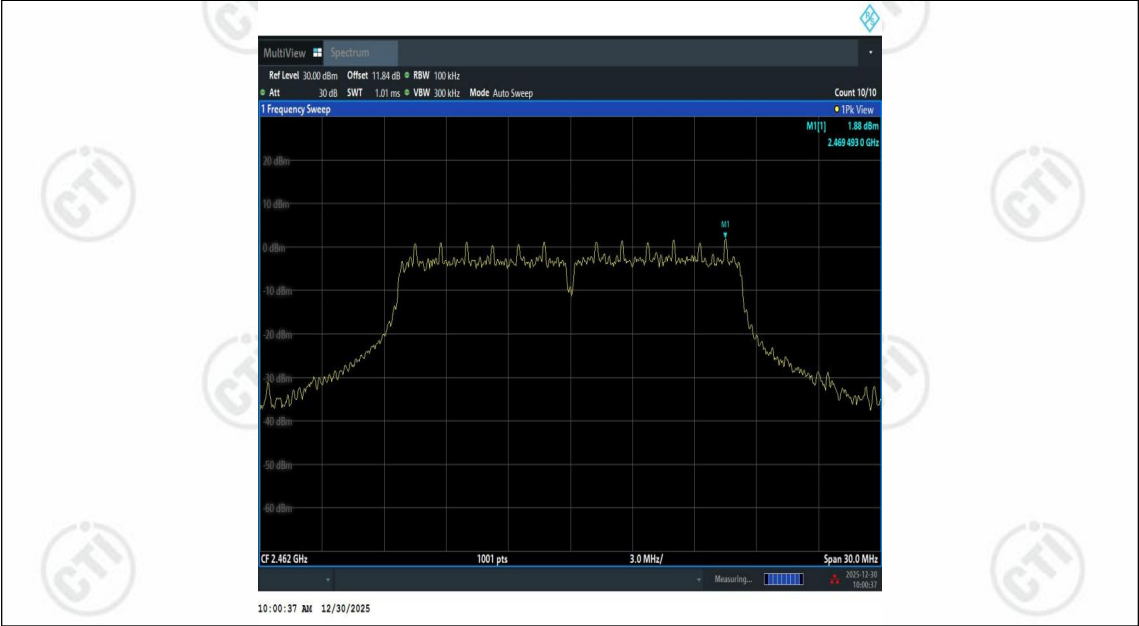
11G-Ant1-2437-0~Reference-PASS



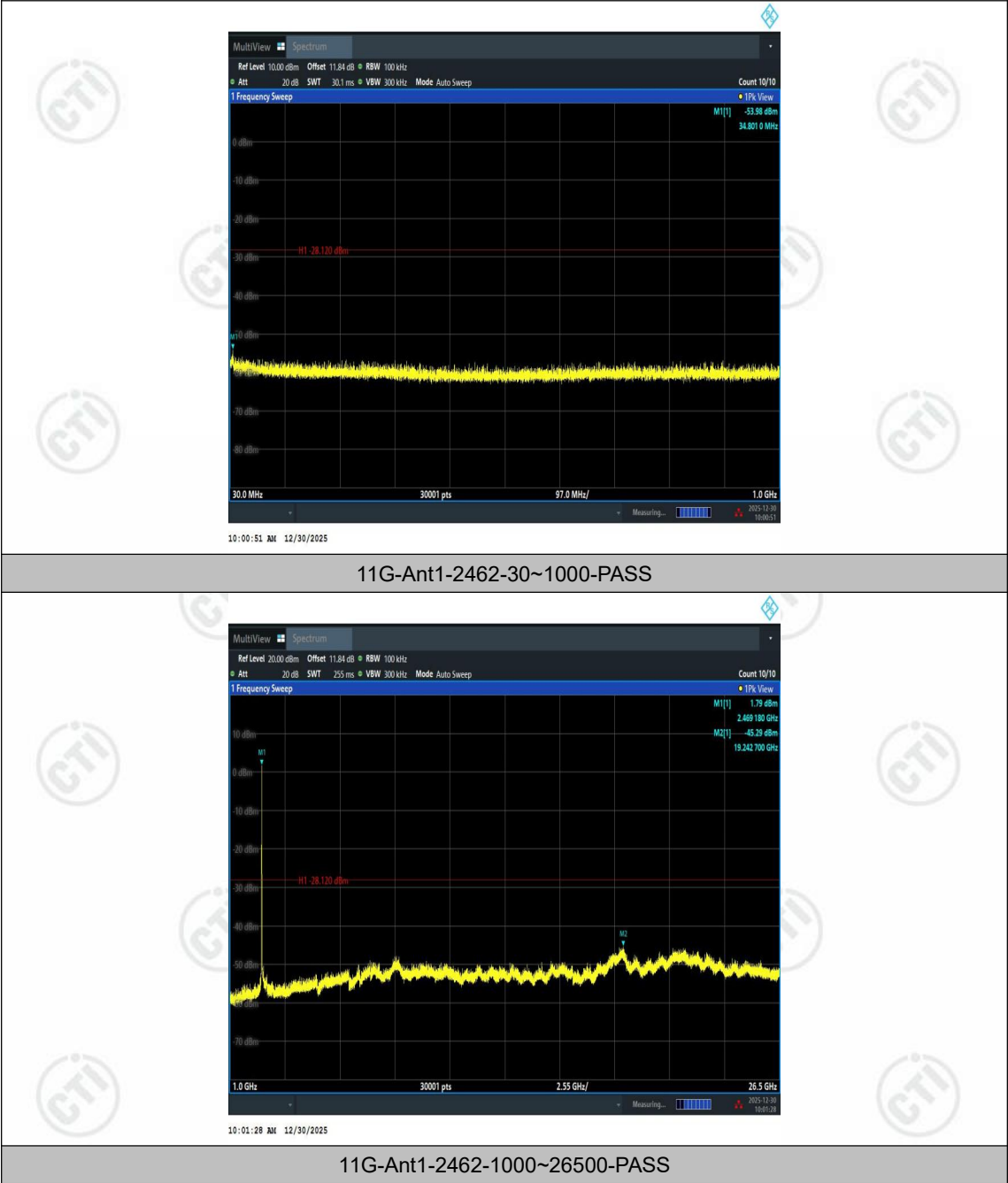
11G-Ant1-2437-30~1000-PASS

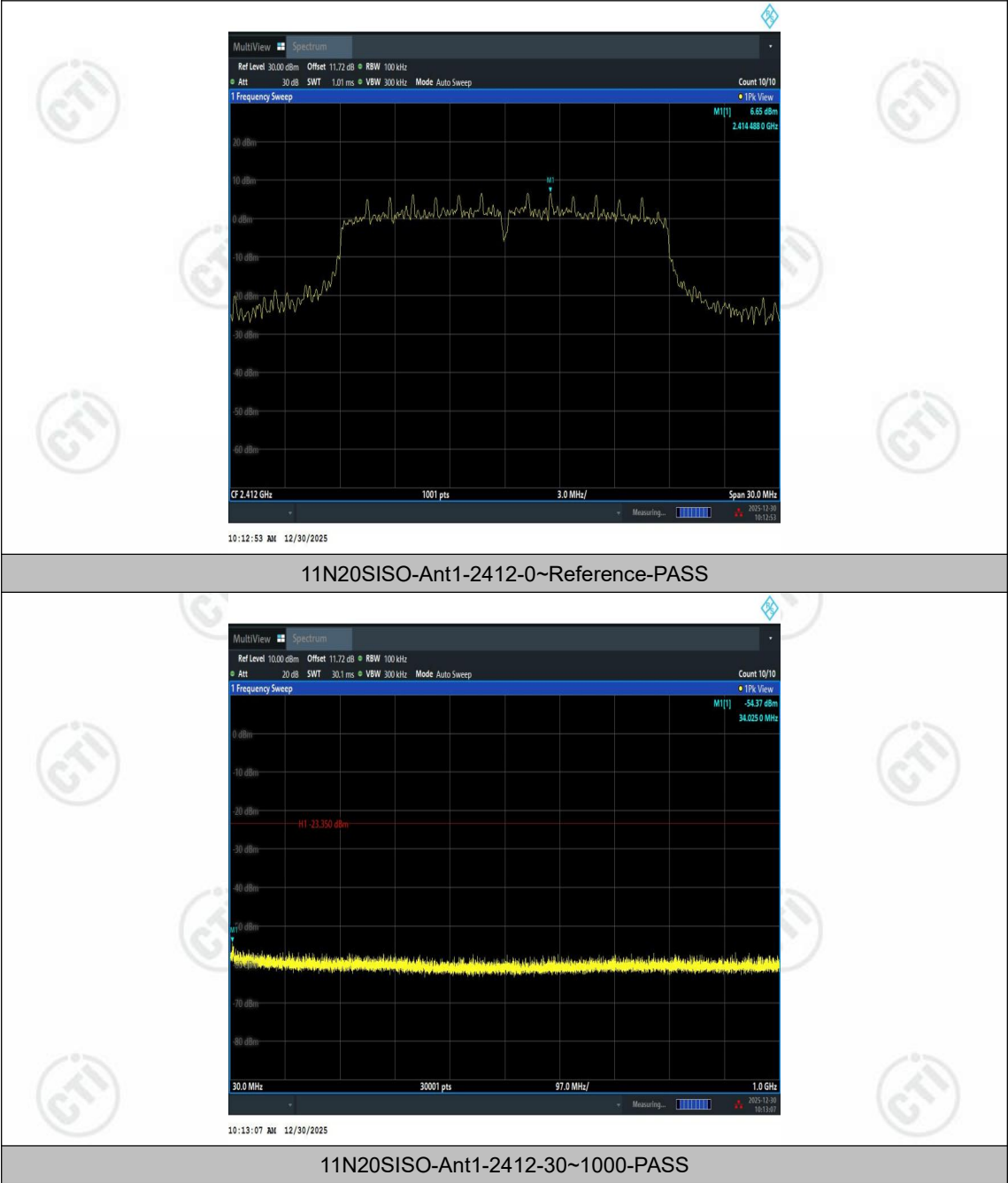


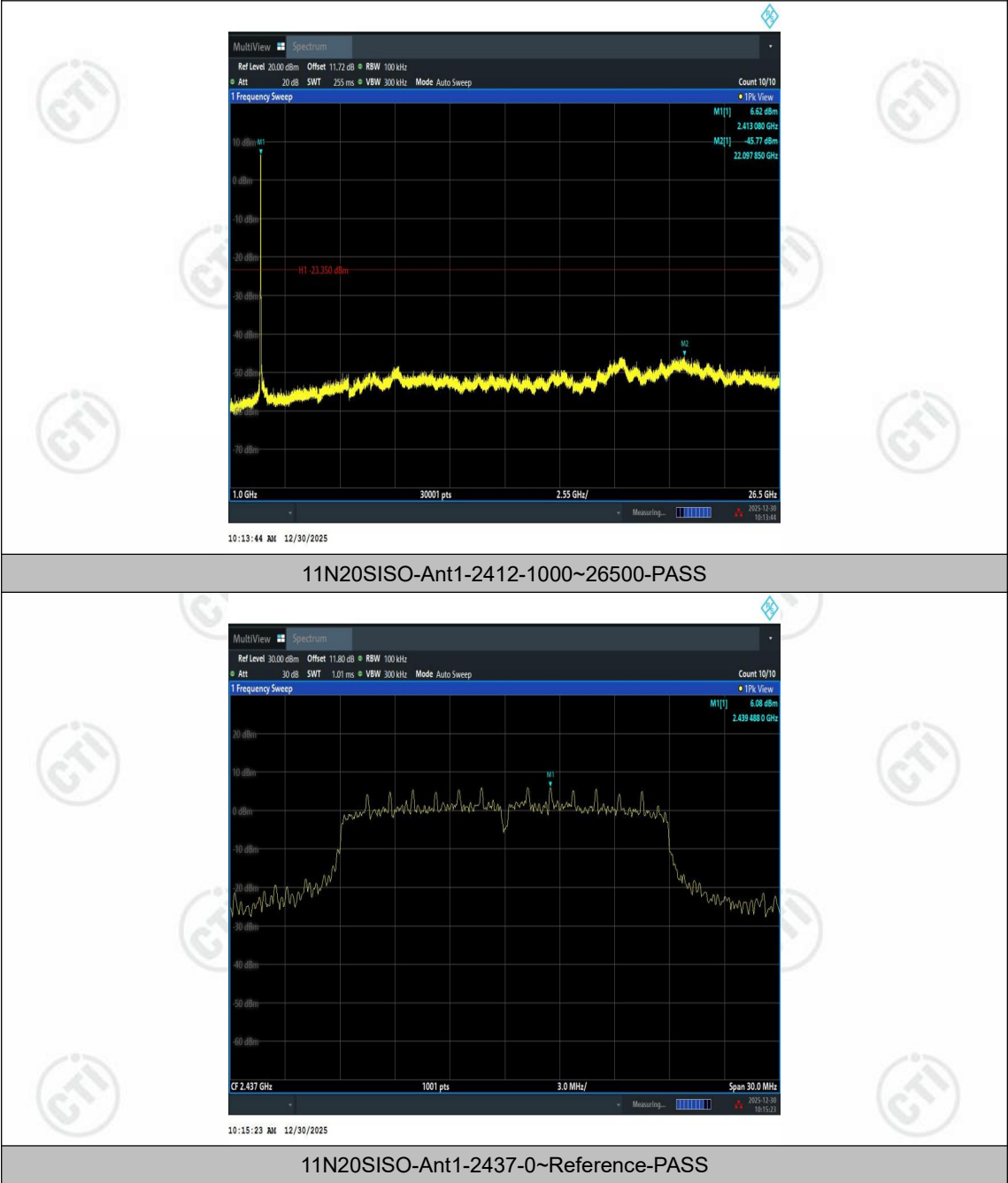
11G-Ant1-2437-1000~26500-PASS

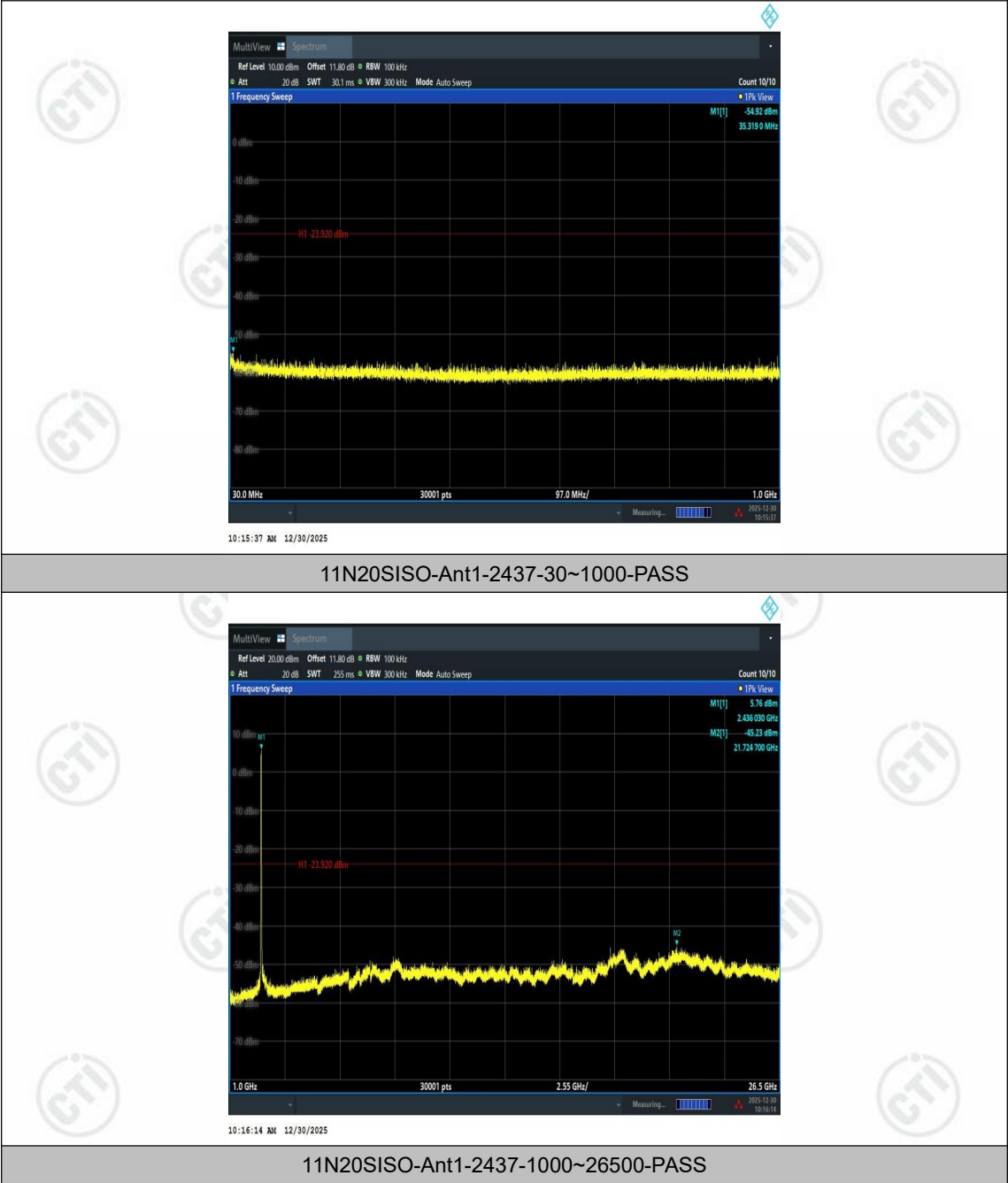


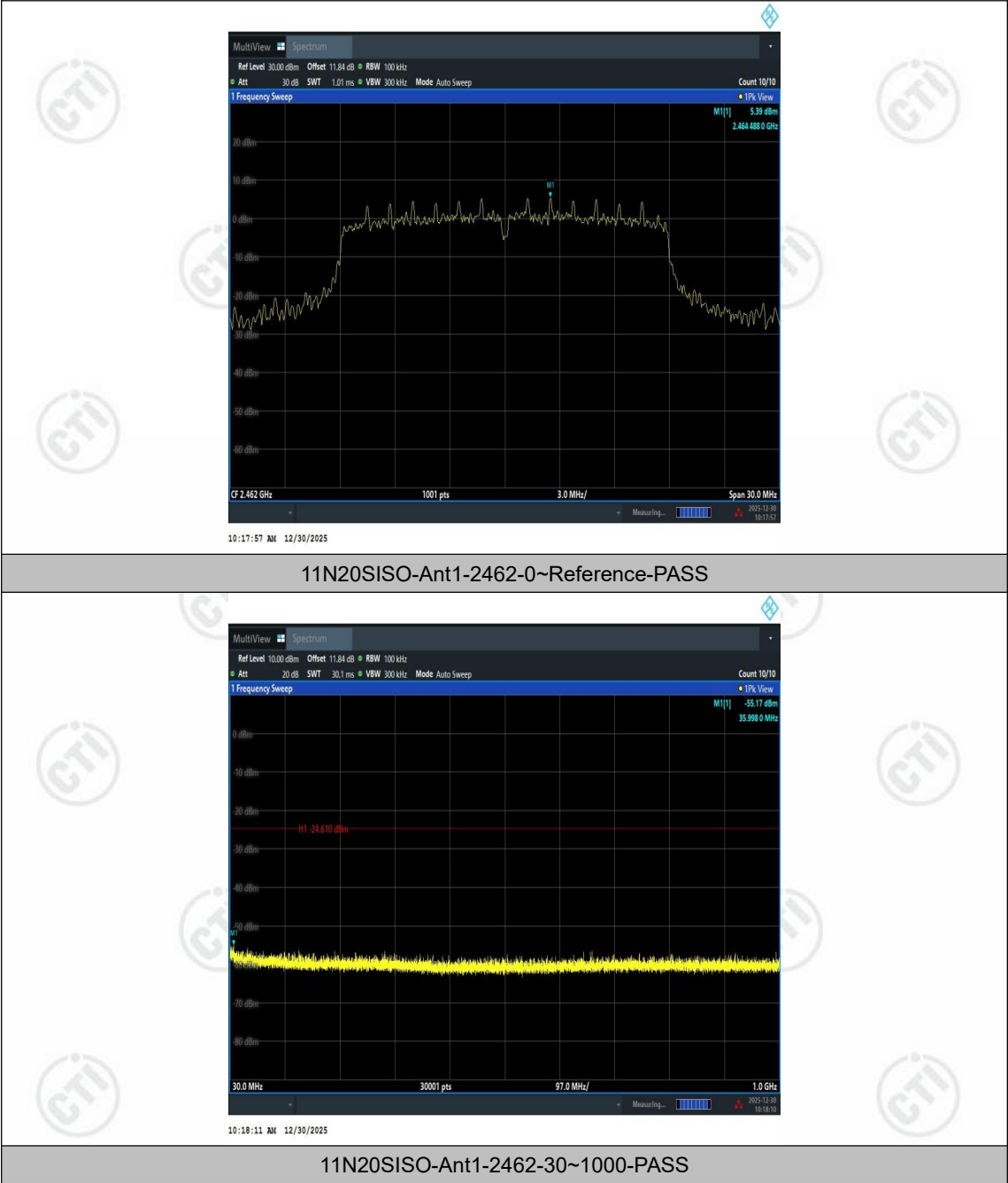
11G-Ant1-2462-0~Reference-PASS

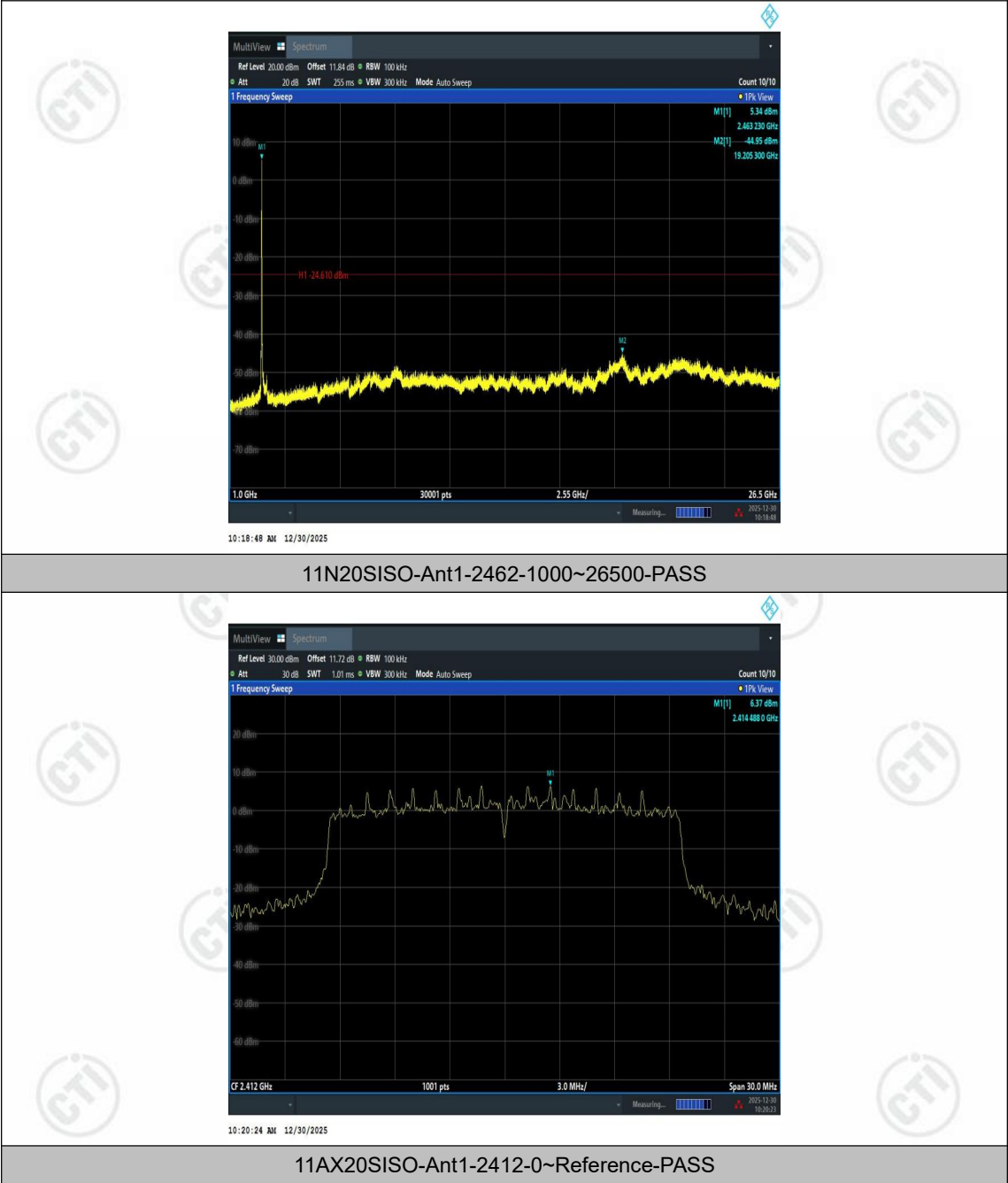


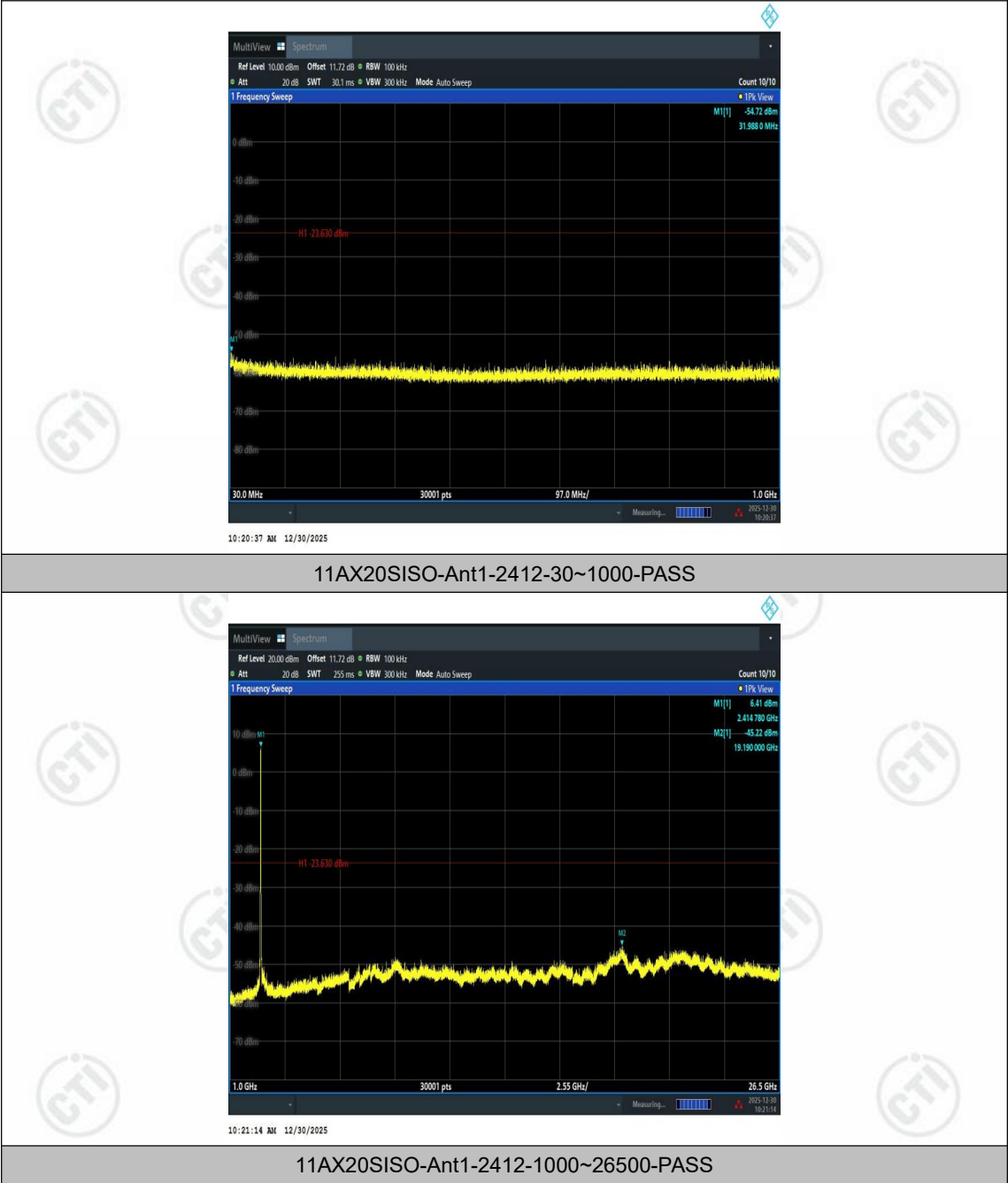


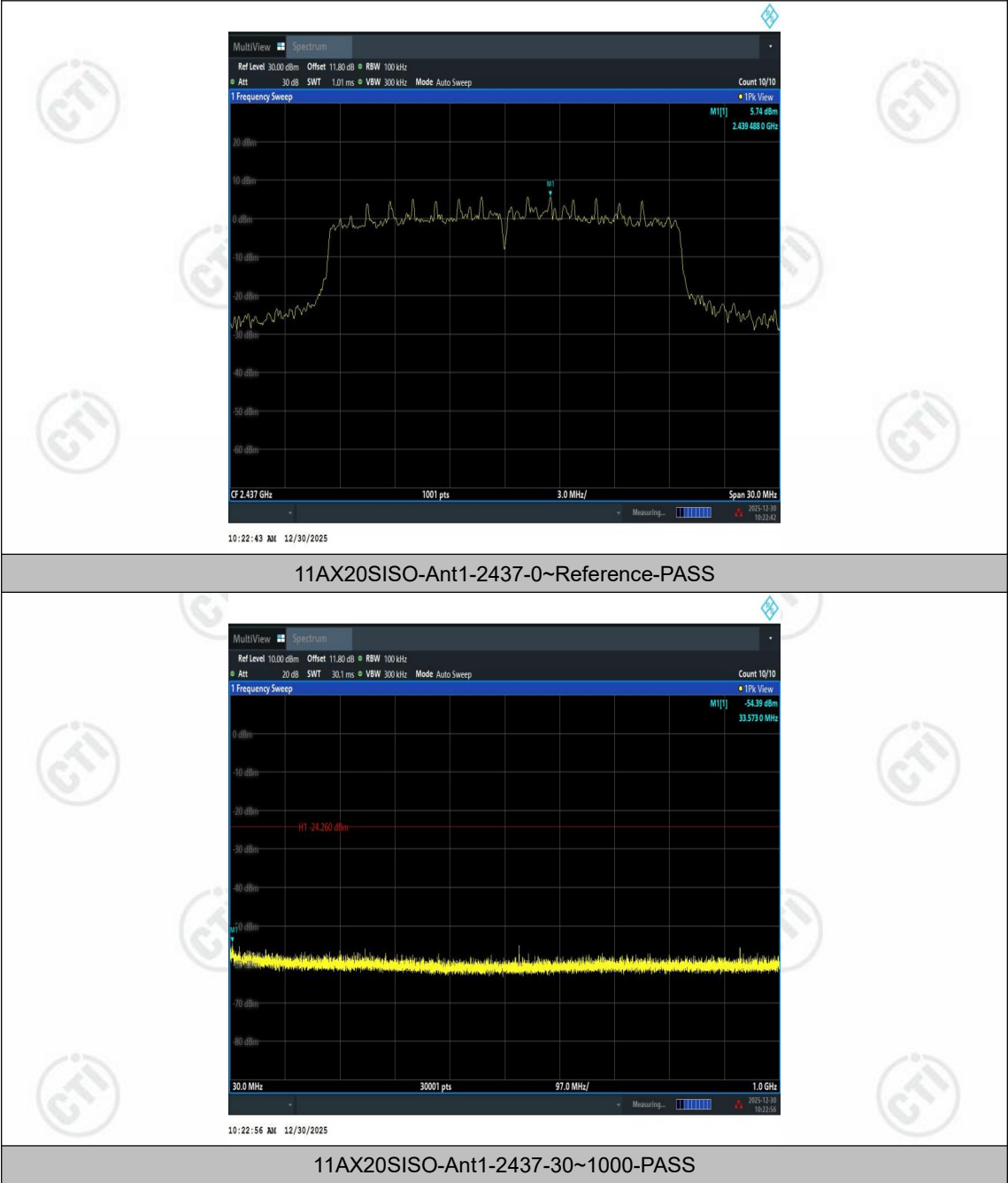


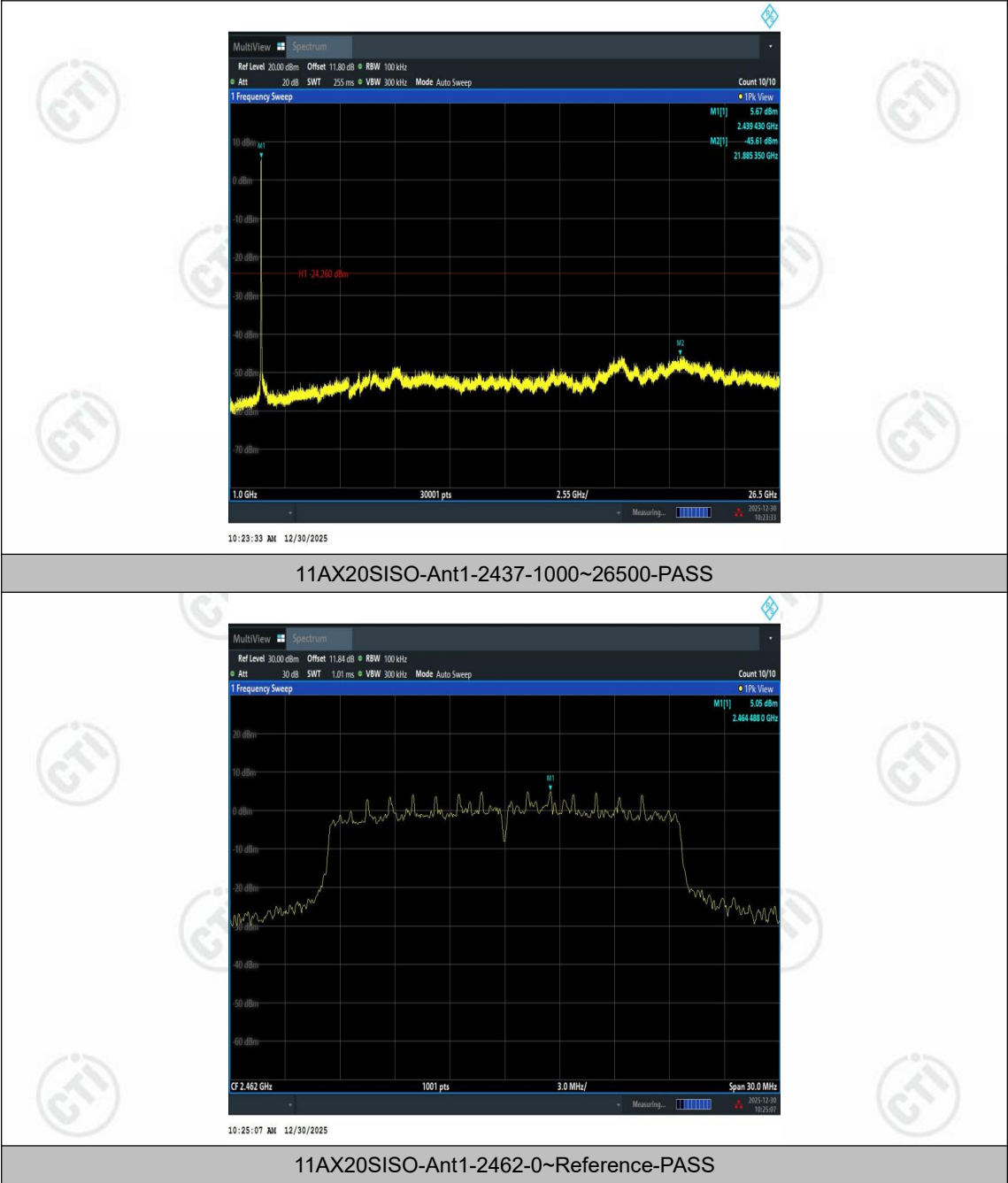


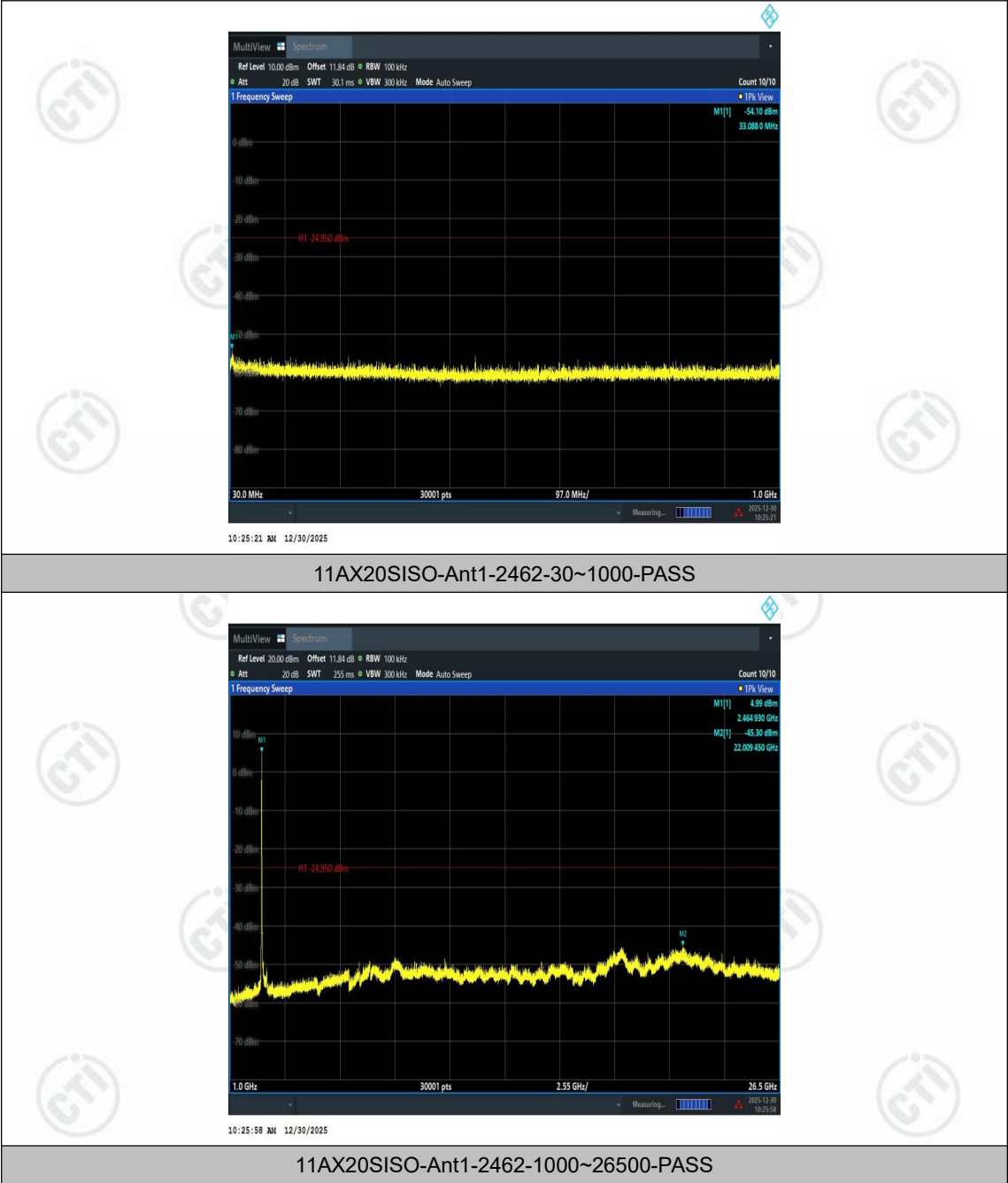












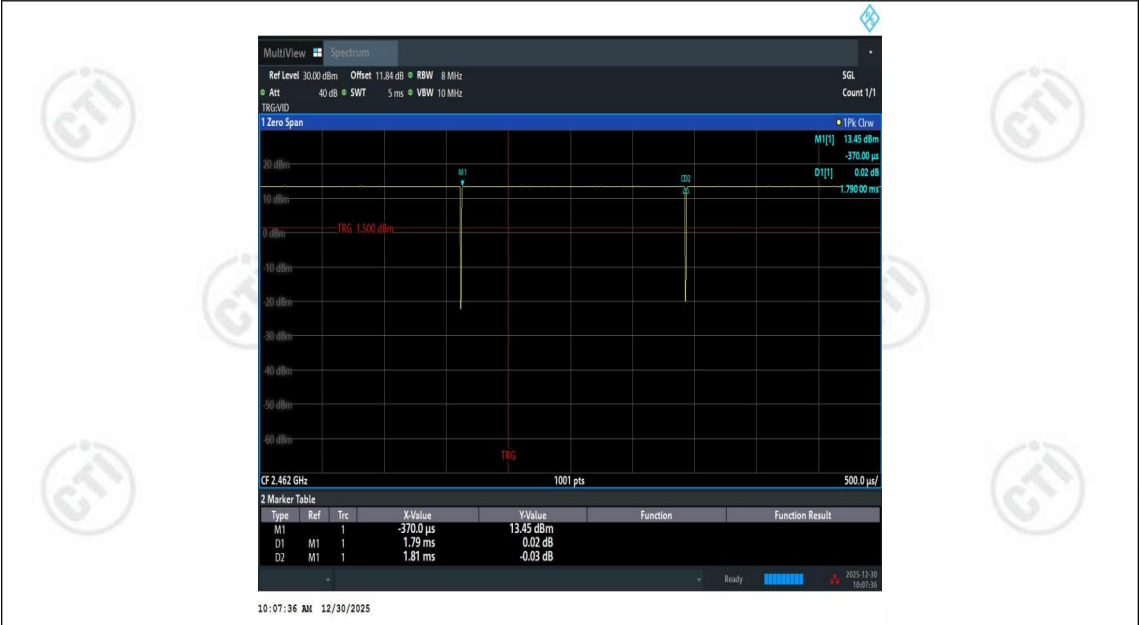
Appendix G: Duty Cycle

Test Result

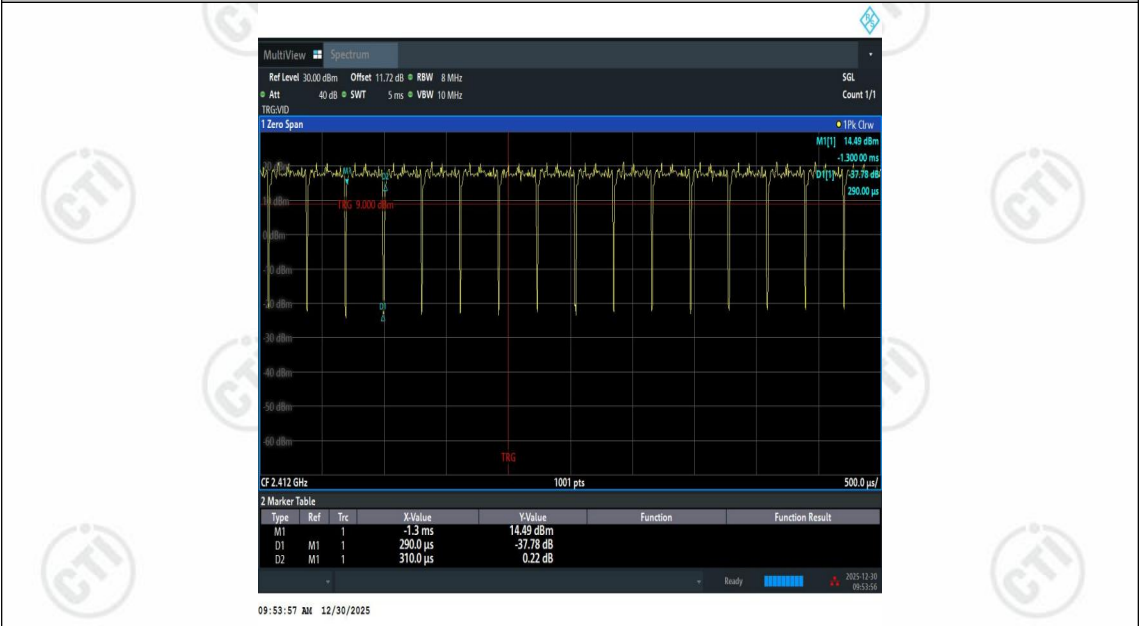
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	1.79	1.81	98.90	0.05
11B	Ant1	2437	1.80	1.82	98.90	0.05
11B	Ant1	2462	1.79	1.81	98.90	0.05
11G	Ant1	2412	0.29	0.31	93.55	0.29
11G	Ant1	2437	0.29	0.31	93.55	0.29
11G	Ant1	2462	0.29	0.31	93.55	0.29
11N20SISO	Ant1	2412	0.28	0.30	93.33	0.30
11N20SISO	Ant1	2437	0.29	0.31	93.55	0.29
11N20SISO	Ant1	2462	0.28	0.30	93.33	0.30
11AX20SISO	Ant1	2412	0.23	0.25	92.00	0.36
11AX20SISO	Ant1	2437	0.23	0.25	92.00	0.36
11AX20SISO	Ant1	2462	0.23	0.25	92.00	0.36

Test Graphs





NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412









END OF REPORT